

CLEANUP AND RESTORATION REPORT
EAST SIDE OF HWY 141
NORTH BOUND LANE
NEAR MILE MARKER 127.8
GATEWAY, CO

FOR

LMH ENVIRONMENTAL
representing
GREAT WEST CASUALTY
representing
BASIN WESTERN INC.
3691 E HIGHWAY 40
PO BOX 877
ROOSEVELT, UT 84066

December 5, 2011



By



1048 Independent Ave, A-106
Grand Junction, CO 81505

S. A. Johnson
D. B. Redd

Cleanup and Restoration Report
East Side of Hwy 141
North Bound Lane
Near MM 127.8
Gateway, CO

For:

BASIN WESTERN INC.
3691 E HIGHWAY 40
PO BOX 877
ROOSEVELT, UT 84066

NRC #993433
CDPHE #2011-0767

On October 24, 2011 an accident occurred involving a trailer truck from Basin Western Inc. on Colorado Highway 141 near mile marker 127.8 on the east side of the north bound lane. The accident caused a rupture of the truck's tanker spilling approximately 4,700 gallons of crude oil onto the right of way and adjacent properties. The oil flowed down gradient into a classified "wetlands" area and from there seeped into West Creek. Girardi's Towing Inc. removed the truck and trailer from the accident site at about 9:00pm on the same date as the accident. The location of the accident site is shown on a U.S.G.S map of the area (Figure 1). Figure 2 shows the spill location, wetlands location, beaver pond, and boom locations. Figure 3 shows the excavated area and the soil sample locations.

The National Response Center was notified on October 24, 2011 and they assigned case #993433. CDPHE was notified and they assigned case #2011-0767. Steve Way with the Environmental Protection Agency was one of the first agencies onsite along with Ray Muldrew of LMH Environmental and coordination efforts were conducted between the EPA, LMH, STTI, and URS for the containment and clean-up efforts. The clean-up efforts were also coordinated with Mike Verketis of the Colorado Department of Transportation, U.S. Fish and Wildlife, Colorado Division of Wildlife, Army Corps of Engineers, and the affected land owner's.

On October 24, 2011 at about 11:45 am, Storage Tank Technology, Inc. (STTI) was retained by LMH Environmental Inc., environmental consultants for Great Western Casualty, to complete the environmental cleanup. STTI personnel arrived onsite about 2:45pm to assess the accident scene. When STTI arrived the Grand Junction Fire Department (GJFD) was in command of the scene. The GJFD along with the Colorado State Patrol had closed the north bound lane and was allowing one lane of traffic through the accident site. The GJFD was also placing oil absorbent booms downstream in West Creek. About 1 mile downstream of the accident GJFD and CDOT attempted to install an underflow dam to try and capture any floating oil prior to going downstream. The underflow dam failed about 2 hours later. STTI personnel were instructed by the GJFD to install booms upstream from the underflow dam to the accident

site. STTI also installed booms downstream in accessible sites to just east of Gateway at Niche Road. A small seep was noticed from the wetlands area into West Creek and booms were installed to collect the oil. Once the truck and trailer were towed away from the scene the GJFD handed over command of the cleanup to STTI. This happened around 10:00 pm on October 24, 2011.

On October 25, 2011 STTI personnel went back to the site to meet with Steve Way of the Environmental Protection Agency (EPA) and Ray Muldrew (LMH Environmental) to plan remediation efforts. The seep from the wetlands area was addressed and a small catch basin was established that captured the oil as it came out of the bank. The wetlands had captured most of the oil within its banks however; there was a considerable amount of oil seeping into the catch basin. The oil was transferred from this catch basin to tanks using a trash pump (3 inch and 4 inch trash pumps were used) to prevent overflow into the creek. Downstream, plastic skimmer skirts were made to divert the floating oil into eddy's to allow for physical removal. Rows of booms were placed downstream in a beaver pond to collect the floating oil preventing its migration further downstream. A skirted containment boom was rented and installed in the beaver pond to help the oil collect and not pass under. Workers with backpack weed blowers walked down the stream from the source to the beaver pond pushing the floating oil down to the collection booms. Once the oil was collected behind the booms workers using a hose attached to a vacuum truck skimmed the water surface collecting the oil. This process was done several times per day to collect the oil. At the source, a trench was dug by M & M Construction (subcontracted by STTI) along the berm of the wetlands catchment to a sump pit to allow for removal of the oil and to dewater the catchment allowing the oil from the wetlands to seep into the trench. A 20,000 gallon frac tank was delivered to an area close to the trench which was used to hold the oil/water mixture. The oil/water mixture was transferred from the sump pit to the frac tank using the trash pumps where tanker trucks (Reams Construction subcontracted by STTI) then transferred into their tanks and disposed of the mixture at 80 Ponds in Naturita, Colorado (Waste Manifests attached in Appendix III). Approximately 3,285 barrels (95970 gallons) of the oil/water mixture was removed from the wetlands and beaver pond. Reams was able to separate the oil from water on the first day of work. Approximately 600 gallons of oil were recovered from the beaver pond that day. Later truck loads had much less oil and separate measurements were not possible.

The affected landowners were contacted and granted clearance to do whatever was needed to conduct the removal and restoration. Pictures were taken of the land prior to any work being performed to help establish a baseline for restoration efforts. Fences were marked that were taken down to allow access for construction equipment and temporary fences were installed to corral two of the landowner's horses. The horses were eventually moved across Highway 141 to a neighboring property to prevent the horses from being disturbed.

Clearance was given by the U.S. Fish and Wildlife to allow digging of the wetlands area and dispose of the contaminated soil. The contaminated soil was hauled to 80 Ponds in trucks operated by Reams Construction. Approximately 1,016 yards of contaminated soil was disposed of at 80 Ponds. A silt fence was placed on the berm of the stream bank to prevent any contaminated soil from spilling into the stream. Once the contaminated soil was removed from

the wetlands area and the water within it was transferred into the frac tank the catch basin was cleaned a final time and clean fill was placed inside it. After the clean fill was compacted, ten inch river cobble was placed on top of it to help prevent erosion.

Daily efforts were made to walk downstream and push any pockets of oil down to the beaver pond that had the containment booms. Approximately 10 people per day walked the stream pushing the oil with rakes/shovels/skimmers to the booms over a 13 day period. The personnel were dressed in chest waders and rubber gloves while performing this duty. The booms that were installed in the stream were replaced daily with new booms. The spent booms and waders were placed in double lined plastic drum bags and set in a lined containment area where they remained until clearance of waste characterization was given by the S Road Facility for disposal.

The area where the tanker truck had ended up after the accident was a steep boulder slope. After confirming with CDOT that the slope could not be disturbed but remediation efforts needed to be conducted to remove the oil that had stained the boulders and settled into the crevices a plan was established to apply Microblaze (bacterial bioremediation agent). CDOT is requiring at least three (3) Microblaze applications. The first application was applied on November 3rd 2011, the second will be applied during the middle of December 2011, and the third will be applied in late spring of 2012 after temperatures warm. In the first application, a 10% mixture of MicroBlaze and water (535 gallons) heated to approximately 90 degrees Fahrenheit was applied to the boulders using a bladder pump, hose, and spray nozzle operated by STTI personnel. 1,000 gallons of heated water was applied to the boulders and crevices prior to the MicroBlaze to allow for a more suitable working condition for the microorganisms.

A permit was required to repair and replace the damaged guard rail within the CDOT ROW on Highway 141. CC Enterprises supplied the traffic control plan. A Special Use Permit (#3110349-S) was issued by the Colorado Department of Transportation. A copy of the permit is included in Appendix II.

Restoration

Once the contaminated soil had been removed and the absorbent booms were showing no staining of oil the restoration of the land was conducted. Four (4) soil samples were collected from the wetlands surface and from the area excavated along the toe of the boulder slope and analyzed for Diesel Range Organics (DRO) to conclude that the all of the contaminated soil had been removed (Table 1). The soil sample collected at the toe of the boulder slope was also analyzed using test 8260. The sample taken at the toe of the boulder slope (G-TOE,1') had 8260 results all with "no detection" results except m/p xylene which was 0.0012 mg/Kg (this value is less than the Practical Quantitation Limit). The analysis was conducted by Key Laboratories in Grand Junction, Colorado (results in Appendix I). All of the DRO samples were below detection limits. Clean fill was brought in from a local gravel pit and spread over the excavated area along the toe of the boulder slope down to the edge of the wetlands. The fill material was contoured to close to existing grade that met the landowner's needs. Local topsoil was then placed on top of the fill material. Furrows were tracked in perpendicular to the grade allowing for optimum

germination beds for vegetation. Green "T" stakes, treated round fence posts, and 4-strand barb wire were used to replace the fence that was removed during excavation. 400 linear feet straw waddles were placed along the contoured slope in multiple locations to help prevent soil erosion. 30 pounds of native grass seed was spread over the restored area in early November to allow for optimum germination in the spring.

The land near the beaver pond had 2 inch gravel spread over it for a road during remediation efforts. The fence along the county road was also taken down to allow access. The contaminated soil near the beaver pond was removed and hauled to the landfill. Once all of the booms were removed from the beaver pond the gravel was pushed into a pile and left for the landowners use. The fence was replaced using green "T" stakes, treated round fence posts, and barbed wire. Prior to the beaver ponds and stream freezing all of the booms were removed and disposed of. The area where the underflow dam was installed was contoured back to existing grade and the fence was replaced.

Photographs from various stages in the cleanup process are included in Appendix IV.

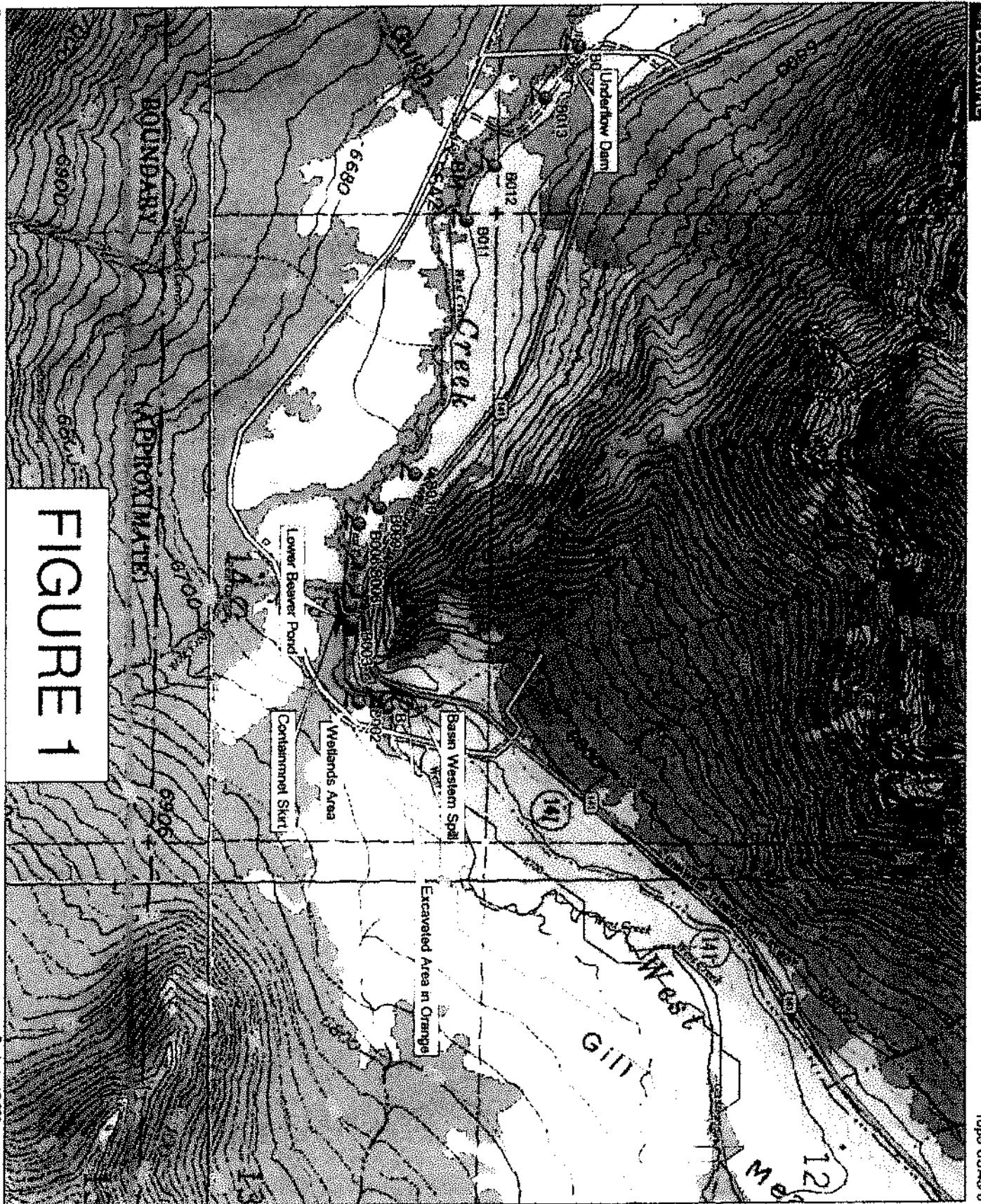


FIGURE 1

Data use subject to license
© DeLorme Topo USA® 8
www.delorme.com

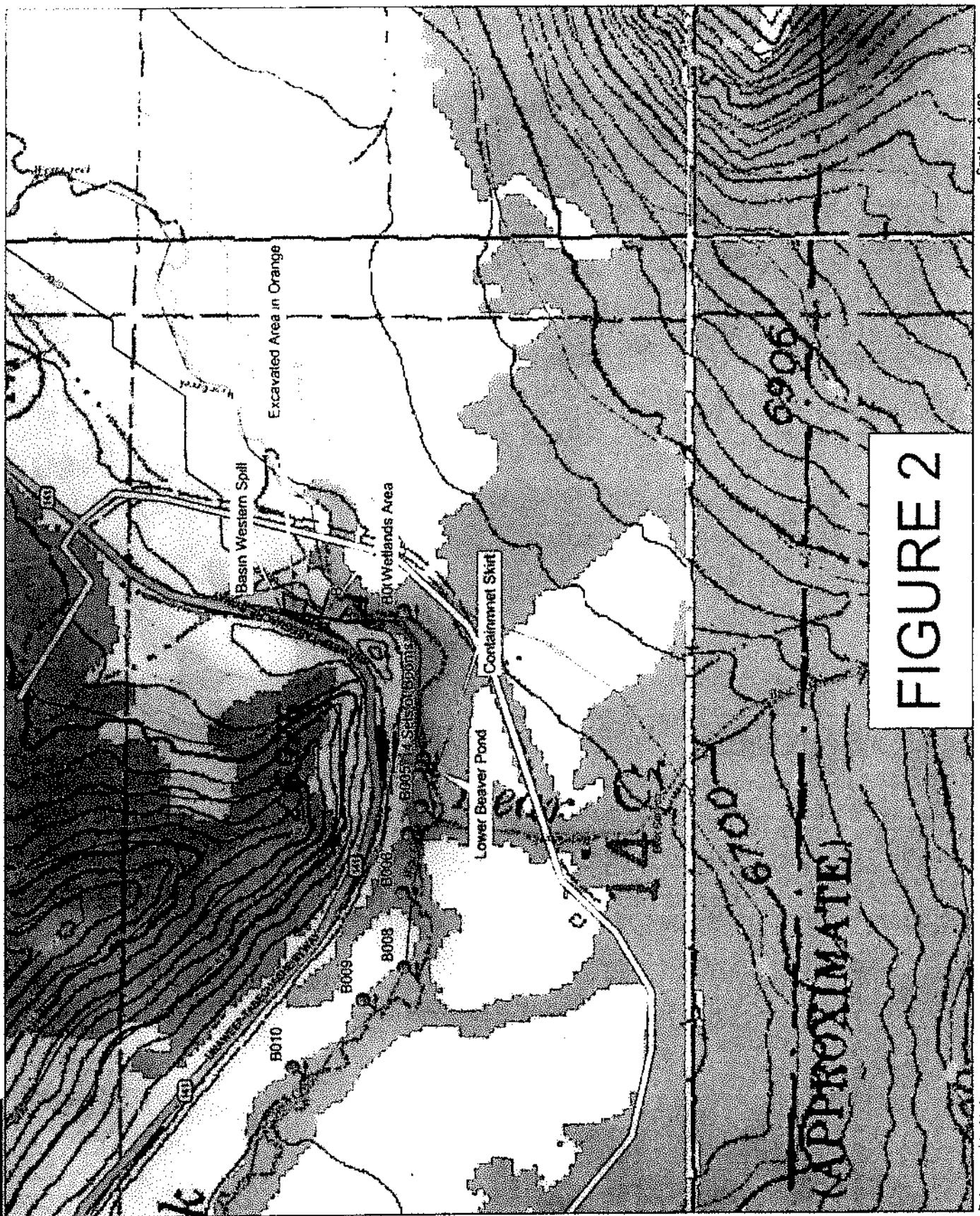


FIGURE 2

FIGURE 3

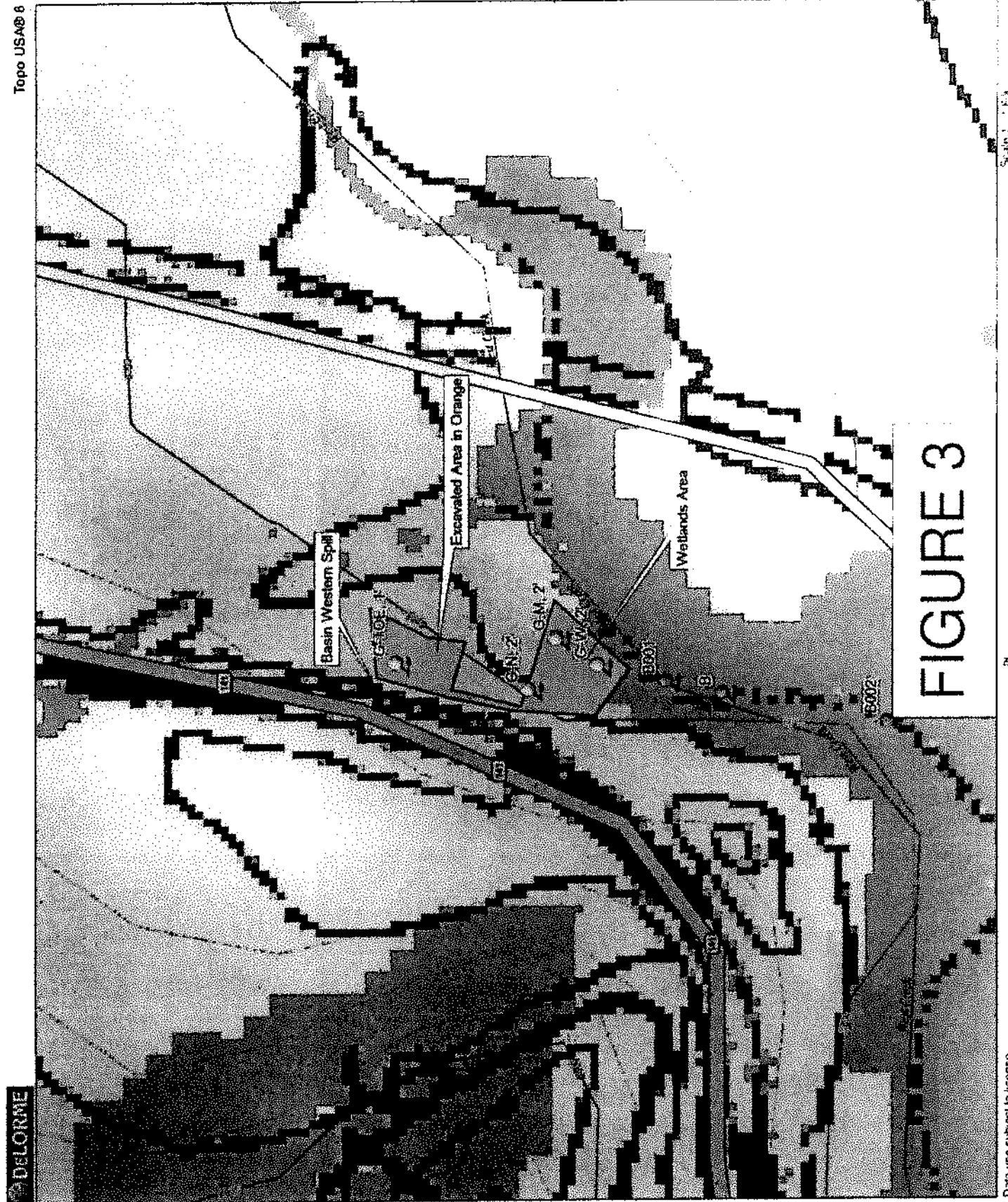


TABLE 1

Lab results for accident at MM127 8 Highway 1A

| | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------|---------------|---------------|-------------------------|------------------|------------------------------|
| CASE NUMBER: | 2011-0767 | DATE ENTERED: | 10/24/2011 | TIME ENTERED: | 12:18 | WHO TOOK REPORT: | ANN NEDROW |
| CALLER: | TROY MARVEL | CONFIDENTIAL: | N | PHONE: | 970-249-4392 | ORGANIZATION: | COLORADO STATE PATROL HAZMAT |
| CITY: | MONTROSE | COUNTY: | | STREET: | 2420 NORTH TOWNSEND AVE | | |
| STATE: | CO | ZIP CODE: | 81401- | CITY: | MONTROSE | | |
| ADDRESS: | | FAX: | | STATE: | CO | | |
| PRP CONTACT: | | PRP PHONE: | | LOCATION: | HIGHWAY 141, MM 128 | | |
| EVENT DATE: | 10/24/2011 | EVENT TIME: | 11:14:00 AM | CITY: | GRAND JUNCTION | | |
| STATE: | CO | ZIP CODE: | | STATE: | CO | | |
| ADDRESS: | | ZIP CODE: | | LOCATION: | HIGHWAY 141, MM 128 | | |
| POTENTIALLY RESPONSIBLE PARTY: | UNKNOWN AT THIS TIME | PRP CONTACT: | | STATE: | CO | | |
| PRP CONTACT: | | PRP PHONE: | | STATE: | CO | | |
| ADDRESS: | | FAX: | | CITY: | GRAND JUNCTION | | |
| EVENT DATE: | 10/24/2011 | EVENT TIME: | 11:14:00 AM | STATE: | CO | | |
| LOCATION: | HIGHWAY 141, MM 128 | MILE MARKER: | 128 | CITY: | GRAND JUNCTION | | |
| TYPE OF MATERIAL: | OIL | QTY TO WATER1: | 5000 UNITS: G | MATERIAL1: | crude oil | | |
| SOURCE: | H | QTY TO WATER2: | UNITS2: | MATERIAL2: | | | |
| SOURCE TYPE MOTOR VEHICLE | | QTY TO WATER3: | UNITS3: | MATERIAL3: | | | |
| CAUSE INFORMATION: | Trucker was involved in rollover accident, spilling approx 7700 gallons of crude oil onto soil and a small unnamed creek. | | | | | | |
| Morehouse office of the state patrol looked it up and for now thinks the closest creek is Blacky West Creek, which drains to Bear Creek. | | | | | | | |
| Bear Creek. | | | | | | | |
| MEDUM IMPACTED: WATER AND LAND <input type="checkbox"/> Fixed Facility <input checked="" type="checkbox"/> Land <input type="checkbox"/> Air <input type="checkbox"/> Groundwater | | | | | | | |
| <input checked="" type="checkbox"/> Surface Water Waterway Impacted: WEST CREEK -> BEAR CREEK | | | | | | | |
| NUMBER OF DEATHS: 0 NUMBER OF INJURIES: 0 EVACUATION: N NUMBER EVACUATED: 0 | | | | | | | |

ACTION TAKEN: CDPHE Environmental Release and Incident System Report

Print date

10/24/2011

CDPHE NOTIFIED: CDOT; ANDY FLURKEY; WACD; NICOLE OWENS; DAVID KURTZ; JENNIFER MILLER; PAUL KOSIK; JOCELYN MULLEN; TOM SCHAEFER; MICHELLE THIEBAUD; HMWD; WALLER AVAMENKO; ROBERT BEIERLE; JERRY HENDERSON; JEFF EMMONS; KATHRYN STEWART; DAVID FOSTER; DPW; JAMIE ANTHONY; ERI

COMMENTS:

RESPONDER COMMENTS:

RESPONDERS: COLORADO STATE PATROL HAZMAT

ADDITIONAL COMMENTS:

| | | | | | | | | | | | | | |
|---------------------------------------------------------------|-----------------------------------------------------|------|-----------|-------------|-------|------------|----------------|-------|--------------|----------|---------------------------------------------------------------|------------------------------------|------------|
| Chem Project Name | Storage Tank Technology, Inc. <u>LMB-Gateway</u> | | | | | | | | | | Key Laboratories, Inc. | | |
| Chem Project Number | | | | | | | | | | | 2479A Riverside Parkway | | |
| Chem Sample Number | <u>BW-WC</u> | | | | | | | | | | Grand Junction, Colorado 81505-1319 | | |
| Chem Sample Location | <u>Hwy 141 Spill</u> | | | | | | | | | | Phone (970) 243-5311 Fax (970) 243-6010 | | |
| Sampling Date | 10/24/2011 | | | | | | | | | | Key Lab # 11-1360 | | |
| Sampling Time | 18:38 | | | | | | | | | | Work Order # 1101111360 | | |
| Sample Matrix | Soil | | | | | | | | | | Date Received 11/01/11 | | |
| Sampler | Brett | | | | | | | | | | Analyst <u>11/08/11</u> | | |
| Analysis Method | *ICP-MS, EPA Methods 6020 / 200.8 | | | | | | | | | | Sample Prep Total, Closed Vessel | | |
| | | | | | | | | | | | Prep Method EPA SW846 Microwave Digestion Methods 3051 / 3015 | | |
| | | | | | | | | | | | Monday, November 07, 2011 18:04:50 | Monday, November 07, 2011 16:11:35 | |
| Key Lab Prep Batch Sample ID# <u>SI-1103-11-1360-12 1X10X</u> | | | | | | | | | | | SI-1103-11-0000-01_LMB | | |
| Sample Comments: | | | | | | | | | | | LMB | Significant Figures: 2 | |
| Sample Aliquot [mg]: 1127.7 | | | | | | | | | | | 1000 | | |
| Prep Rh Spike Recovery: 1.061 | | | | | | | | | | | 1.038 | Reporting units: mg | |
| Prep/Digestion DF=>> 44 | | | | | | | | | | | 50 | | |
| Pass Audit =>> x Total DF=>> 443 | | | | | | | | | | | 500 | | |
| Analysis Method | Ion | Time | Symbol | RCRA Limit* | Audit | Analyte | Reported Value | Units | Method Blank | Blank DF | MDL ppm | PQL ppm | Max QL ppm |
| 8 <==> Analytes Reported | | | | | | | | | | | | | |
| ICP-MS* | * | 100 | <u>Li</u> | | | Lithium | | mg/Kg | | 500 | 0.25 | 1 | 100 |
| ICP-MS* | * | 10 | <u>Be</u> | | | Beryllium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 11 | 10 | <u>B</u> | | | Boron | | mg/Kg | | < | < | < | < |
| ICP-MS* | 23 | 10 | <u>Na</u> | | | Sodium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 24 | 10 | <u>Mg</u> | | | Magnesium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 27 | 10 | <u>Al</u> | | | Aluminum | | mg/Kg | | < | < | < | < |
| ICP-MS* | 28 | 10 | <u>Si</u> | | | Silicon | | mg/Kg | | < | < | < | < |
| ICP-MS* | 31 | 10 | <u>P</u> | | | Phosphorus | | mg/Kg | | < | < | < | < |
| ICP-MS* | 39 | 10 | <u>K</u> | | | Potassium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 44 | 20 | <u>Ca</u> | | | Calcium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 48 | 10 | <u>Ti</u> | | | Titanium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 51 | 100 | <u>V</u> | | | Vanadium | | mg/Kg | | 500 | 1.5 | 6 | 1000 |
| ICP-MS* | 52 | 100 | <u>Cr</u> | 100 | x | Chromium | 8.4 | mg/Kg | < | 500 | 0.4 | 1.6 | 500 |
| ICP-MS* | 58 | 10 | <u>Mn</u> | | | Manganese | | mg/Kg | | < | < | < | < |
| ICP-MS* | 54 | 20 | <u>Fe</u> | | | Iron | | mg/Kg | | < | < | < | < |
| ICP-MS* | 59 | 10 | <u>Co</u> | | | Cobalt | | mg/Kg | | < | < | < | < |
| ICP-MS* | 60 | 10 | <u>Ni</u> | | | Nickel | | mg/Kg | | < | < | < | < |
| ICP-MS* | 63 | 10 | <u>Cu</u> | | | Copper | | mg/Kg | | < | < | < | < |
| ICP-MS* | 66 | 10 | <u>Zn</u> | | | Zinc | | mg/Kg | | < | < | < | < |
| ICP-MS* | 75 | 200 | <u>As</u> | 100 | x | Arsenic | 0.78 J | mg/Kg | < | 500 | 0.3 | 1.2 | 200 |
| ICP-MS* | 82 | 200 | <u>Se</u> | 20 | x | Selenium | < | mg/Kg | < | 500 | 0.3 | 1.2 | 200 |
| ICP-MS* | 68 | 10 | <u>Sr</u> | | | Strontium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 88 | 10 | <u>Mo</u> | | | Molybdenum | | mg/Kg | | < | < | < | < |
| ICP-MS* | 107 | 100 | <u>Ag</u> | 100 | x | Silver | < | mg/Kg | < | 500 | 0.25 | 1 | 100 |
| ICP-MS* | 111 | 100 | <u>Cd</u> | 20 | x | Cadmium | 0.12 | mg/Kg | < | 500 | 0.02 | 0.08 | 500 |
| ICP-MS* | 123 | 10 | <u>Sb</u> | | | Antimony | | mg/Kg | | < | < | < | < |
| ICP-MS* | 149 | 100 | <u>Ba</u> | 2000 | x | Barium | 47 | mg/Kg | < | 500 | 0.03 | 0.12 | 1000 |
| ICP-MS* | 202 | 200 | <u>Hg</u> | 4 | x | Mercury | < | mg/Kg | 0.021 J | 500 | 0.015 | 0.06 | 10 |
| ICP-MS* | 205 | 10 | <u>Tl</u> | | | Thallium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 224 | 10 | <u>Pb</u> | 100 | x | Lead | 9.1 | mg/Kg | < | 500 | 0.05 | 0.2 | 500 |
| ICP-MS* | 242 | 10 | <u>Tb</u> | | | Thorium | | mg/Kg | | < | < | < | < |
| ICP-MS* | 248 | 10 | <u>L</u> | | | Uranium | | mg/Kg | | < | < | < | < |

* Typically, all metals with >= 90 [ms] integration time can be reported. Available at customer's request.

Notes: LMB = laboratory method blank, M and MD = sample matrix replicates

Notes: LCS = spiked laboratory method blank, MS and MSD = spiked sample matrix replicates

Notes: Au is spiked as sample prep surrogate and to facilitate analysis of Mercury. DF = Dilution Factor,

Notes: MDL = Method Detection Limit, PQL = Primary Quantitation Limit, MQL = Maximum Quantitation Limit,

Notes: < = less than MDL, J = Greater than MDL but less than PQL [4 x MDL], E = Estimated Value because it exceeds the MQL

Notes: n.a. = Not Applicable, Blank Space = Not Requested or Not Reported

Notes: RCRA TCLP Extract Limits: Ba = 100 ppm; [Cr, As, Ag, Pb] = 5 ppm; [Se, Cd] = 1 ppm; Hg = 0.2 ppm

Notes: **[Total RCRA limits] are 20 times the TCLP extract limits because of TCLP sample size (100g) and extract volume (2000mL).

** EPA SW846 Method 1311, Revision 4 July 1992, Section 1.2 - If a total analysis of the waste demonstrates that individual analytes are not present in the waste

or if they are present in such such low concentrations that the appropriate regulatory levels could not possibly be exceeded, the 100% detection limit may be used.

Analyst / Reviewer
[Signature]

Key Laboratories, Inc.
2479A Riverside Parkway
Grand Junction, Colorado 81505-1319
Phone (970) 243-5311 Fax (970) 243-6010

Final Results
Report Date:

11/08/11



Corrosivity Results

| Key Lab# | Key COC# | Client Sample Name | Client Sample Location | Instrument Result | Units |
|----------|------------|--------------------|------------------------|-------------------|-------|
| 11-1360 | 1101111360 | BW-WC | Hwy 141 Spill | 7.1 | s.u. |

Ignitability Results

| Key Lab# | Key COC# | Client Sample Name | Instrument Result | Units |
|----------|------------|-----------------------|-------------------|-------|
| 11-0003 | 0101110003 | TVH Calibration Check | 105 | °F |

Paint Filter Results

| Key Lab# | Key COC# | Client Sample Name | Instrument Result |
|----------|------------|-----------------------|-------------------|
| 11-0003 | 0101110003 | TVH Calibration Check | NO FREE LIQUID |

Reactivity Results

| Key Lab# | Key COC# | Client Sample Name | Instrument Result | Units |
|----------|------------|-----------------------|-------------------|-------|
| 11-0003 | 0101110003 | TVH Calibration Check | | |
| | Sulfides | | nd | mg/L |
| | Cyanides | | nd | mg/L |

Oil and Grease

Oil & Grease calculation sheet

Oil & Grease RESULTS

| Run Date | Matrix | Key Lab # | Oil & Grease Method Blank [g] | Moisture Multiplier | Aliquot [g], mL | Empty Tare Weight [g] | Final weight [g] | Aliquot Multiplier for mg/[Kg,L] | Key COC# | Key Lab# | Sample Location | Sample ID | Oil & Grease Result | Units | |
|-----------|--------|-----------|-------------------------------|---------------------|-----------------|-----------------------|------------------|----------------------------------|----------|------------|-----------------|---------------|---------------------|--------|---------|
| 11/2/2011 | Soil | 11-1360 | 0.0001 | 1 | 100.0000 | 94.1382 | 97.55652 | 10.0000 | 3.4270 | 1101111360 | 11-1360 | Hwy 141 Spill | BW-WC | 34,300 | mg / Kg |

Diesel Range Organics TEH

TEH(DRO) calculation sheet

TEPH (DRO C10-C28) RESULTS (method blank subtracted)

| Run Date | Matrix | Key Lab # | Hexane Volume [mL] | TEH Run Blank [ppm] | Moisture Multiplier | Aliquot [g, mL] | Instrument DF Multiplier | Multiplicated Raw T.E.H. [ppm] | Key COC# | Key Lab# | Sample Location | Sample ID | Final TEH Results | Units |
|---------------|--------|-----------|--------------------|---------------------|---------------------|-----------------|--------------------------|--------------------------------|------------|----------|-----------------|------------------------------|-------------------|---------|
| 11/2/20 -0:23 | | 11-0001 | 4 | 1 | 4.00 | 1.000 | | 899.1 | 0101110001 | 11-0001 | | Continuing Calibration Check | 899 | mg / |
| 11/2/20 -0:24 | | 11-0002 | 4 | 1 | 20.00 | 1.000 | | 54.1 | 0101110002 | 11-0002 | | Key Labs Quality Control | < (20) | mg / |
| 11/2/20 -0:25 | Soil | 11-1360 | 4 | 1 | 20.10 | 10.000 | 122673.1 | 1101111360 | 11-1360 | | Hwy 141 Spill | BW-WC | 24,400 | mg / Kg |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N02\0101001.D Vial: 1
Acq On : 3 Nov 2011 123:2 Operator: KEY
Sample : 11-0001, CC TEH 1000 ppm, 0101100000, Inst : TEH 5890
Misc : Diesel #2 in hexane Multiplr: 1.00
IntFile : TERPHEN.E

Quant Time: Nov 3 8:31 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. :

Signal Phase :

Signal Info :

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|----------------|--------------|-----------|-------|
| <hr/> | | | | |
| System Monitoring Compounds | | | | |
| 2) S o-Terphenyl | 13.57 | | | |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery 7 = | 0.000 ppm | m |
| <hr/> | | | | |
| Target Compounds | | | | |
| 1) H TEPH [DRO] | 12.60 | 39399273 | 899.128 | ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1111N02\0101001.D Vial: 1
Acq On : 2 Nov 2011 123:2 Operator: KEY
Sample : 11-0001, CC TEH 1000 ppm, 0101100000, Inst : TEH 5890
Misc : Diesel #2 in hexane Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 3 8:31 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. :
Signal Phase :
Signal Info :
Response_ 0101001.DIFID1A
8.5e+07

8e+07

7.5e+07

7e+07

6.5e+07

6e+07

5.5e+07

5e+07

4.5e+07

4e+07

3.5e+07

3e+07

2.5e+07

2e+07

1.5e+07

1e+07

5000000

0

-5000000



Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N02\0201003.D Vial: 2
Acq On : 2 Nov 2011 124:4 Operator: KEY
Sample : 11-0002, Blank 11-02-11, 0101110000, Inst : TEH 5890
Misc : TEH Method Blank Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Nov 2 17:10 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. :

Signal Phase :

Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------------|------------|------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| 2) S o-Terphenyl | 13.58 | 1370867 | 18.538 ppm |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery = | 38.14%# |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRO] | 12.60 | 2372147 | 54.135 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1111N02\0201003.D Vial: 2
Acq On : 2 Nov 2011 124:4 Operator: KEY
Sample : 11-0002, Blank 11-02-11, 0101110000, Inst : TEH 5890
Misc : TEH Method Blank Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: 11 Nov 2 17:10 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. :

Signal Phase :

Signal Info :

Response_ 0201003.D\FID1A
8.5e+07

8e+07

7.5e+07

7e+07

6.5e+07

6e+07

5.5e+07

5e+07

4.5e+07

4e+07

3.5e+07

3e+07

2.5e+07

2e+07

1.5e+07

1e+07

5000000

0

-5000000



Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N02\0401005.D Vial: 4
Acq On : 2 Nov 2011 125:5 Operator: KEY
Sample : 11-1360, BW-WC, 1101111360, Inst : TEH 5890
Misc : Soil, 20.10g, STTI, Deery Multiplr: 10.00
IntFile : TERPHEN.E
Quant Time: Nov 2 18:25 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. :

Signal Phase :

Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------------|------------|----------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| 2) S o-Terphenyl | 13.60 | 3647749 | 49.329 ppm |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery = | 101.50% |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRO] | 12.60 | 537546288 | 122673.113 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1111N02\0401005.D
Acq On : 2 Nov 2011 125:5
Sample : 11-1360, BW-WC, 1101111360,
Misc : Soil, 20.10g, STTI, Deery
IntFile : EVENTS.E
Quant Time: Nov 2 18:25 19111 Quant Results File: TEH_HP5.RES

Vial: 4
Operator: KEY
Inst : TEH 5890
Multiplr: 10.00

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. :
Signal Phase :
Signal Info :
Response_ : 0401005.D\FID1A
8e+07

7.5e+07

7e+07

6.5e+07

6e+07

5.5e+07

5e+07

4.5e+07

4e+07

3.5e+07

3e+07

2.5e+07

2e+07

1.5e+07

1e+07

5000000

0

-5000000

Relative Abundance

100

Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

8260 Analytical Report

Client: Storage Tank Technology, Inc.
 Client Project Name: LMH-Gateway
 Client Project Number:
 Client Sample Number: BW-WC
 Client Sample Location: Hwy 141 Spill
 Sampling Date: 10/24/2011
 Sampling Time: 18:30
 Sample Matrix: Soil
 Sampler: Brett
 Key Labs Report Prefix:

% LOH: WET BASIS

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] = 5
 Dilution/Extraction volume [mL] = 10

Reported=>> x

QC Type: M
 Key Lab #: 11-1360
 Work Order #: 1101111360
 Date Received: 11/01/11
 Method: EPA SW846 5030/5035/8260
 Technician: KEY
 Data File Name: 0301003.D
 Date Analyzed: 2 Nov 2011 13:30
 Data File Path: C:\MSDCHEM\1\DATA\1111NOV02\
 Lab Sample Information: Soil, 11.21g, 5uL, STTL, LMH-Gateway
 Lab Sample Number: BW-WC, 11-1360, M, 1101111360,

Significant Figures = 3
 Sample vol/wt = 11.21

DF = 892.061

| CAS# | Type | Target Compound | Ampl. | R.L. | Resp. | Ampl. | MDL | Units | DF | Final Conc. | Report Units | RDL | Qual. | MOQ |
|------------|------|--------------------------------|-------|-------|----------|--------|-----|-------|---------|---------------|--------------|------------|------------|-----|
| 75-71-8 | M1 | dichlorodifluoromethane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 74-87-3 | MPI | chloromethane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 75-01-4 | MCI | vinyl chloride | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 67-64-1 | M1 | acetone (2-propanone) | x | | | | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 60-29-7 | M1 | diethyl ether | x | | | | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 74-83-9 | M1 | bromomethane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 75-00-3 | M1 | chloroethane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 75-69-4 | M1 | trichlorofluoromethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 75-35-4 | MCI | 1,1-dichloroethene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 75-09-2 | M1 | methylene chloride | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 76-13-1 | M1 | 1,1,2-trichlorotrifluoroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 107-05-1 | M1 | allyl chloride | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 156-60-5 | M1 | trans 1,2-dichloroethene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 1634-04-4 | M1 | [MTBE] methyl tert-butyl ether | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 75-34-3 | MPI | 1,1-dichloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 78-93-3 | M1 | [MEK] 2-butanone | x | 3.51 | 16860 | 7.59 | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 156-59-4 | M1 | cis 1,2-dichloroethene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 590-20-7 | M1 | 2,2-dichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 74-97-5 | M1 | bromoform (trichloromethane) | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 67-66-3 | MCI | chloroform (trichloromethane) | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 109-99-9 | M1 | tetrahydrofuran | x | | | | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 71-55-6 | M1 | 1,1,1-trichloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 107-06-2 | M1 | 1,2-dichloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 563-58-6 | M1 | 1,1-dichloropropene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 71-43-2 | M1 | benzene | x | 3.97 | 4487229 | 33.65 | 1 | ug | 892.061 | 30000. ug/Kg | 892.061 | 428189.117 | | |
| 56-26-5 | M1 | carbon tetrachloride | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 79-01-6 | M1 | trichloroethene (TCE) | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 78-87-5 | MCI | 1,2-dichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 74-95-3 | M1 | dibromomethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 75-27-4 | M1 | bromodichloromethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 10061-01-5 | M1 | cis 1,3-dichloropropene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 103-10-1 | M1 | [MIBK] 4-methyl-2-pentanone | x | 6.51 | 15677 | 2.25 | 1 | ug | 892.061 | 2010. ug/Kg | 892.061 | J | 428189.117 | |
| 108-88-3 | MCI | toluene | x | 7.49 | 18633873 | 227.36 | 2 | ug | 892.061 | 203000. ug/Kg | 1784.121 | 428189.117 | | |
| 10061-02-6 | M1 | trans 1,3-dichloropropene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 285459.411 | | |
| 79-00-5 | M1 | 1,1,2-trichloroethane | x | 7.08 | 93991 | 5.48 | 1 | ug | 892.061 | 4880. ug/Kg | 892.061 | 428189.117 | | |
| 142-28-9 | M1 | 1,3-dichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 124-48-1 | M1 | dibromochloromethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 127-18-4 | M1 | tetrachloroethene (PERC) | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 106-93-4 | M1 | 1,2-dibromoethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 108-90-7 | MPI | chlorobenzene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 630-20-6 | M1 | 1,1,1,2-tetrachloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 100-41-4 | MCI | ethylbenzene | x | 11.24 | 12845911 | 85.16 | 1 | ug | 892.061 | 76000. ug/Kg | 892.061 | 428189.117 | | |
| 1 | M1 | m/p xylene | x | 11.81 | 36605539 | 311.16 | 1 | ug | 892.061 | 278000. ug/Kg | 892.061 | 856378.234 | | |
| 100-42-5 | M1 | styrene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 95-47-6 | M1 | o-xylene | x | 12.79 | 14858195 | 125.47 | 1 | ug | 892.061 | 112000. ug/Kg | 892.061 | 428189.117 | | |
| 75-25-2 | MP2 | bromoform (tribromomethane) | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 285459.411 | | |
| 79-34-5 | MP2 | 1,1,2,2-tetrachloroethane | x | 12.83 | 47388 | 2.36 | 1 | ug | 892.061 | 2110. ug/Kg | 892.061 | J | 428189.117 | |
| 98-82-8 | M2 | isopropylbenzene | x | 13.86 | 3076026 | 20.09 | 1 | ug | 892.061 | 17900. ug/Kg | 892.061 | 428189.117 | | |
| 96-18-4 | M2 | 1,2,3-trichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 108-86-1 | M2 | bromobenzene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 95-49-8 | M2 | 2-chlorotoluene | x | 14.83 | 99306 | 2.69 | 1 | ug | 892.061 | 2400. ug/Kg | 892.061 | J | 428189.117 | |
| 103-65-1 | M2 | n-propylbenzene | x | 14.80 | 1455122 | 33.80 | 1 | ug | 892.061 | 30200. ug/Kg | 892.061 | 428189.117 | | |
| 106-43-4 | M2 | 4-chlorotoluene | x | 14.96 | 14750 | 0.40 | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 108-67-8 | M2 | 1,3,5-trimethylbenzene | x | 15.34 | 6162395 | 49.63 | 1 | ug | 892.061 | 44300. ug/Kg | 892.061 | 428189.117 | | |

8260 Analytical Report

Client: Storage Tank Technology, Inc.
 Client Project Name: LMH-Gateway
 Client Project Number:
 Client Sample Number: BW-WC
 Client Sample Location: Hwy 141 Spill
 Sampling Date: 10/24/2011
 Sampling Time: 18:30
 Sample Matrix: Soil
 Sampler: Brett
 Key Labs Report Prefix:

% LOI: WET BASIS

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] = 5
 Dilution/Extraction volume [mL] = 10

QC Type: M
 Key Lab #: 11-1360
 Work Order #: 1101111360
 Date Received: 11/01/11
 Method: EPA SW846 5030/5035/8260
 Technician: KEY
 Data File Name: 0301003.D
 Date Analyzed: 2 Nov 2011 13:30
 Data File Path: C:\MSDCHEM\DATA____NOV02\
 Lab Sample Information: Soil, 11.21g, 5uL, STT, LMH-Gateway
 Lab Sample Number: BW-WC, 11-1360, M, 1101111360

Significant Figures = 3
Sample vol/wt = 11.21

| CAS# | Type | Target Compounds | Auth. | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Report Units | RDL | Qual. | MQL |
|----------|------|-----------------------------|-------|-------|----------|--------|-----|-------|---------|-------------|--------------|------------|------------|-----|
| 98-06-6 | M2 | tert-butylbenzene | x | 15.60 | 47630 | 0.42 | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 95-63-6 | M2 | 1,2,4-trimethylbenzene | x | 15.77 | 20955957 | 171.63 | 1 | ug | 892.061 | 153000. | ug/Kg | 892.061 | 428189.117 | |
| 96-12-8 | M2 | 1,2-dibromo-3-chloropropane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 285459.411 | | |
| 541-73-1 | M3 | 1,3-dichlorobenzene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 99-87-6 | M3 | p-isopropyltoluene | x | 16.11 | 1470767 | 10.68 | 1 | ug | 892.061 | 9530. | ug/Kg | 892.061 | 428189.117 | |
| 135-98-8 | M3 | sec-butylbenzene | x | 15.85 | 2522781 | 14.67 | 1 | ug | 892.061 | 13100. | ug/Kg | 892.061 | 428189.117 | |
| 106-46-7 | M3 | 1,4-dichlorobenzene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 95-50-1 | M3 | 1,2-dichlorobenzene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 104-51-8 | M3 | n-butylbenzene | x | 16.50 | 2112026 | 15.51 | 1 | ug | 892.061 | 13800. | ug/Kg | 892.061 | 428189.117 | |
| 130-83-1 | M3 | 1,2,4-trichlorobenzene | x | 17.75 | 11942 | 0.30 | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 87-68-3 | M3 | hexachlorobutadiene | x | 17.98 | 12492 | 0.47 | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 91-20-3 | M3 | naphthalene | x | 17.89 | 1834389 | 25.00 | 2 | ug | 892.061 | 22300. | ug/Kg | 1784.121 | 428189.117 | |
| 87-61-6 | M3 | 1,2,3-trichlorobenzene | x | 18.02 | 20403 | 0.57 | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |

| CAS# | Type | Internal Standard Compounds | Auth. | Resp. | Amt. | CCV | Units | Initial Area% | Init. Resp. | Water Litter Limbs | Sol. Limbs | Spikes | |
|------------|------|-----------------------------|-------|-------|---------|-------|-------|---------------|-------------|--------------------|------------|----------|------|
| 1868-53-7 | S1 | dibromofluoromethane | x | 2.90 | 3328771 | 62.84 | 82.1 | ug | 68.5 | 4861497 | 81 - 120 | 73 - 127 | 69.9 |
| 17060-07-0 | S1 | 1,2 dichloroethane-d4 | x | 3.33 | 923607 | 68.87 | 94.5 | ug | 78.3 | 1180033 | 82 - 118 | 83 - 117 | 69.9 |
| 2037-26-5 | S1 | toluene-d8 | x | 7.35 | 7381622 | 70.63 | 95.6 | ug | 81.1 | 9102043 | 89 - 111 | 86 - 114 | 69.9 |
| 460-00-4 | S2 | 4-bromofluorobenzene | x | 13.77 | 4037600 | 70.51 | 93.4 | ug | 80.8 | 4995968 | 81 - 119 | 72 - 128 | 69.9 |

| CAS# | Type | Internal Standard Compounds | Auth. | Resp. | Amt. | CCV | Units | Initial Area% | Init. Resp. | Water Litter Limbs | Sol. Limbs | Spikes | |
|-----------|------|-----------------------------|-------|-------|---------|-------|-------|---------------|-------------|--------------------|------------|----------|------|
| 462-06-6 | I1 | fluorobenzene | x | 4.29 | 8243655 | 69.90 | 97.3 | ug | 80.8 | 10207875 | 50 - 150 | 50 - 150 | 69.9 |
| 3114-55-4 | I2 | chlorobenzene-d5 | x | 10.47 | 1514847 | 69.90 | 94.1 | ug | 82.1 | 1845015 | 50 - 150 | 50 - 150 | 69.9 |
| 3855-82-1 | I3 | 1,4-dichlorobenzene-d4 | x | 15.88 | 3263195 | 69.90 | 92.6 | ug | 83.6 | 3902664 | 50 - 150 | 50 - 150 | 69.9 |

MDL = Method Detection Limit

PQL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_111nov02\
 Data File : 0301003.D
 Acq On : 2 Nov 2011 13:30
 Operator : KEY
 Sample : BW-WC, 11-1360, M, 1101111360,
 Misc : Soil, 11.21g, Sul, STTI, LMH-Gateway
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 02 13:50:36 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Thu Jul 28 15:
 :36 2011
 QLast Update : Thu Jul 28 15:27:36 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) fluorobenzene | 4.29 | 96 | 8243655 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.47 | 54 | 1514847+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.88 | 152 | 3263195+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|----------------|-----|----------|-------|---------|------|
| 22) dibromofluoromethane | 2.90 | 113 | 3328771+ | 62.84 | ug | 0.00 |
| Spiked Amount 69.900 | Range 73 - 127 | | Recovery | = | 89.90% | |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 923607 | 68.87 | ug | 0.00 |
| Spiked Amount 69.900 | Range 83 - 117 | | Recovery | = | 98.53% | |
| 36) toluene-d8 | 7.35 | 98 | 7381622 | 70.63 | ug | 0.00 |
| Spiked Amount 69.900 | Range 86 - 114 | | Recovery | = | 101.04% | |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 4037600+ | 70.51 | ug | 0.00 |
| Spiked Amount 69.900 | Range 72 - 128 | | Recovery | = | 100.87% | |

Target Compounds

| | | | | | QValue |
|--------------------------------|------|-----|----------|-----------|--------|
| 2) dichlorodifluoromethane | 0.00 | 85 | 0 | N.D. | |
| 3) chloromethane | 0.00 | 50 | 0 | N.D. | |
| 4) vinyl chloride | 0.00 | 62 | 0 | N.D. | |
| 5) acetone (2-propanone) | 0.00 | 58 | 0 | N.D. | |
| 6) diethyl ether | 0.00 | 74 | 0 | N.D. | |
| 7) bromomethane | 0.00 | 94 | 0 | N.D. | |
| 8) chloroethane | 0.00 | 64 | 0 | N.D. | |
| 9) trichlorofluoromethane | 0.00 | 101 | 0 | N.D. | |
| 10) 1,1-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 11) methylene chloride | 0.00 | 84 | 0 | N.D. | |
| 12) 1,1,2-trichlorotrifluoroet | 0.00 | 151 | 0 | N.D. | |
| 13) allyl chloride | 0.00 | 78 | 0+ | N.D. | |
| 14) trans 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 15) [MTBE] methyl tert-butyl e | 0.00 | 73 | 0 | N.D. | |
| 16) 1,1-dichloroethane | 0.00 | 63 | 0 | N.D. | |
| 17) [MEK] 2-butanone | 2.51 | 72 | 16860 | 7.59 ug | # 1 |
| 18) cis 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 19) 2,2-dichloropropane | 0.00 | 77 | 0 | N.D. | |
| 20) bromochloromethane | 0.00 | 128 | 0+ | N.D. | |
| 21) chloroform (trichlorometha | 0.00 | 83 | 0 | N.D. | |
| 23) tetrahydrofuran | 0.00 | 72 | 0+ | N.D. | |
| 24) 1,1,1-trichloroethane | 0.00 | 97 | 0+ | N.D. | |
| 26) 1,2-dichloroethane | 0.00 | 62 | 0 | N.D. | |
| 27) 1,1-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 28) benzene | 3.97 | 78 | 4487229 | 33.65 ug | 99 |
| 29) carbon tetrachloride | 0.00 | 117 | 0 | N.D. | |
| 30) trichloroethene (TCE) | 0.00 | 130 | 0+ | N.D. | |
| 31) 1,2-dichloropropane | 0.00 | 63 | 0 | N.D. | |
| 32) dibromomethane | 0.00 | 174 | 0 | N.D. | |
| 33) bromodichloromethane | 0.00 | 83 | 0 | N.D. | |
| 34) cis 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 35) [MIBK] 4-methyl-2-pentanon | 6.51 | 58 | 15677 | 2.25 ug | # 1 |
| 37) toluene | 7.49 | 92 | 18633873 | 227.36 ug | 98 |
| 38) trans 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 39) 1,1,2-trichloroethane | 7.08 | 63 | 43991 | 5.48 ug | # 1 |
| 40) 1,3-dichloropropane | 0.00 | 76 | 0 | N.D. | |
| 41) difluoromethylmethane | 0.00 | 124 | 0 | N.D. | |
| 42) tetrachloroethene (PERC) | 0.00 | 166 | 0+ | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov02\
 Data File : 0301003.D
 Acq On : 2 Nov 2011 13:30
 Operator : KEY
 Sample : BW-WC, 11-1360, M, 1101111360,
 Misc : Soil, 11.21g, Sul, STTI, LMH-Gateway
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 02 13:50:36 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Thu Jul 28 15:
 :36 2011
 QLast Update : Thu Jul 28 15:27:36 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------------|-------|------|----------|--------|-------|-----------|
| 43) 1,2-dibromoethane | 0.00 | 107 | 0 | N.D. | | |
| 44) chlorobenzene | 0.00 | 112 | 0 | N.D. | | |
| 45) 1,1,1,2-tetrachloroethane | 0.00 | 131 | 0 | N.D. | | |
| 46) ethylbenzene | 11.24 | 91 | 12845911 | 85.16 | ug | 100 |
| 47) m/p xylene | 11.81 | 91 | 36605539 | 311.16 | ug | 99 |
| 48) styrene | 0.00 | 104 | 0 | N.D. | | |
| 49) o-xylene | 12.79 | 91 | 14858195 | 125.47 | ug | 100 |
| 51) bromoform (tribromomethane) | 0.00 | 173 | 0 | N.D. | | |
| 52) 1,1,2,2-tetrachloroethane | 12.83 | 83 | 47388 | 2.36 | ug | # 29 |
| 53) isopropylbenzene | 13.86 | 105 | 3076026 | 20.09 | ug | # 99 |
| 54) 1,2,3-trichloropropane | 0.00 | 75 | 0 | N.D. | | |
| 56) bromobenzene | 0.00 | 156 | 0 | N.D. | | |
| 57) 2-chlorotoluene | 14.83 | 126 | 99306 | 2.69 | ug | # 1 |
| 58) n-propylbenzene | 14.80 | 120 | 1455122 | 33.80 | ug | # 30 |
| 59) 4-chlorotoluene | 14.96 | 126 | 14750 | 0.40 | ug | # 1 |
| 60) 1,3,5-trimethylbenzene | 15.34 | 105 | 6162395 | 49.63 | ug | 97 |
| 61) tert-butylbenzene | 15.60 | 119 | 47630 | 0.42 | ug | # 85 |
| 62) 1,2,4-trimethylbenzene | 15.77 | 105 | 20955957 | 171.63 | ug | 98 |
| 63) 1,2-dibromo-3-chloropropan | 0.00 | 157 | 0+ | N.D. | | |
| 65) 1,3-dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 66) p-isopropyltoluene | 16.11 | 119 | 1470767 | 10.68 | ug | 98 |
| 67) sec-butylbenzene | 15.85 | 105 | 2522781 | 14.67 | ug | # 21 |
| 68) 1,4-dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 69) 1,2-dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 70) n-butylbenzene | 16.50 | 91 | 2112026 | 15.51 | ug | # 80 |
| 71) 1,2,4-trichlorobenzene | 17.75 | 180 | 11942 | 0.30 | ug | # 1 |
| 72) hexachlorobutadiene | 17.98 | 225 | 12492 | 0.47 | ug | # 1 |
| 73) napthylene | 17.89 | 128 | 1834389 | 25.00 | ug | # 84 |
| 74) 1,2,3-trichlorobenzene | 18.02 | 180 | 20403 | 0.57 | ug | # 1 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Instrument Path : C:\MSpec\Chem\NINJATA\ 1111Nov02\
 Data File : 030100.s.D
 Analysis Date : 2 Nov 2011 13:30
 Operator : KEY
 Client ID : BW-WC, 11-1340, M, 1101111360,
 Matrix : Soil, 11-214, Sulf, STT1, LMH-Gateway
 Run Serial : 3
 Sample Multiplier: 1

Start Time: Nov 02 13:30:36 2011
 Quant Method: C:\MSpec\HEM\NIN5973N\48260V.RX.M
 Quant Title: AVR\X8260.6973.8260 - Method 524.2 List - Purgeable Thu Jul 28 15:27:36 2011
 Client Update: Thu Jul 28 15:27:36 2011
 Export via: Initial Calibration

Abundance

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

1000000

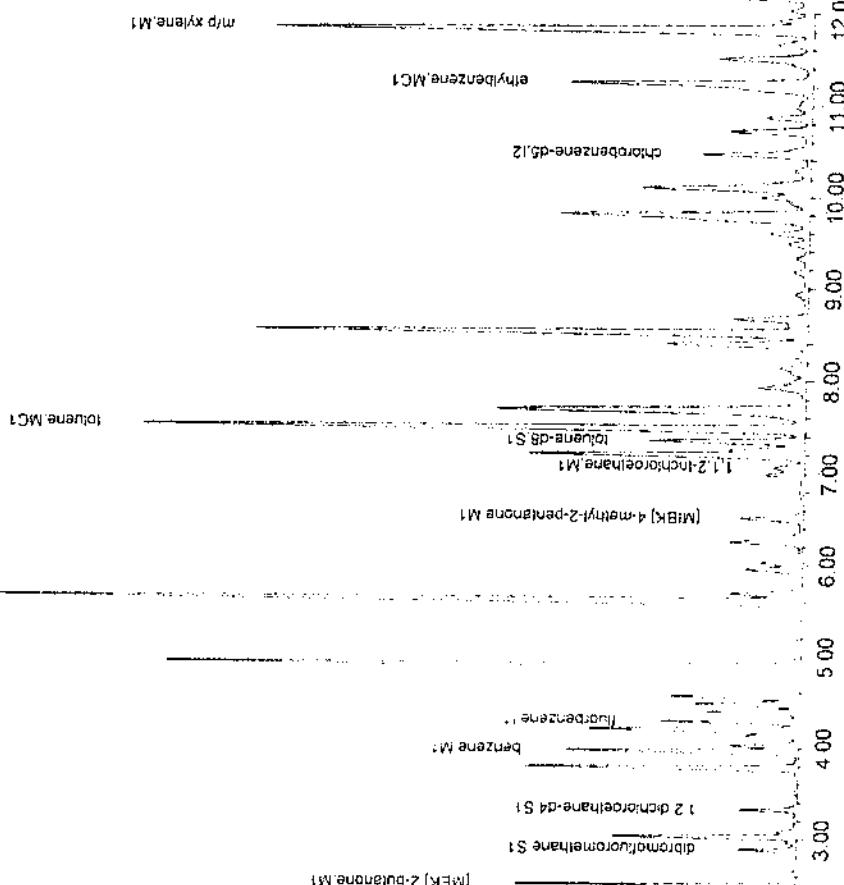
500000

0

100

200

45000000 Wed Nov 02 14:40:04 2011



8260 Analytical Report

Client: Storage Tank Technology, Inc.
 Client Project Name: LMH-Gateway
 Client Project Number:
 Client Sample Number: BW-WC
 Client Sample Location: Hwy 141 Spill
 Sampling Date: 10/24/2011
 Sampling Time: 18:30
 Sample Matrix: Soil
 Sampler: Brett
 Key Labs Report Prefix:

% LOH: WET BASIS

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] = 5
 Dilution/Extraction volume [mL] = 10

Reported=>> x

QC Type: MD
 Key Lab #: 11-1360
 Work Order #: 1101111360
 Date Received: 11/01/11
 Method: EPA SW846 5030/5035/8260
 Technician: KEY
 Data File Name: 0401004.D
 Date Analyzed: 2 Nov 2011 13:56
 Data File Path: C:\MSDCHEM\DATA\111NOV02\
 Lab Sample Information: Soil, 11-21g, Sul, STT, LMH-Gateway
 Lab Sample Number: BW-WC, 11-1360, MD, 1101111360,
 Significant Figures = 3
 Sample vol/wt = 11.21
 DF = 892.061

| CAS# | Type | Target Compound | Audit | R.T. | Resp | Amu | MDL | Unit | DF | Final Conc | Report Unit | RDL | Qual | MQL |
|------------|------|--------------------------------|-------|-------|----------|--------|-----|------|---------|---------------|-------------|--------------|------|-----|
| 75-71-8 | M1 | dichlorodifluoromethane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 74-87-3 | MP1 | chloromethane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 75-01-4 | MCI | v vinyl chloride | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 67-64-1 | M1 | acetone (2-propanone) | x | | | | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 60-29-7 | M1 | diethyl ether | x | | | | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 74-83-9 | M1 | bromomethane | x | | | | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 75-00-3 | M1 | chloroethane | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 428189.117 | | |
| 75-69-4 | M1 | trichlorofluoromethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 75-35-4 | MCI | 1,1-dichloroethene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 75-09-2 | M1 | methylene chloride | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 76-13-1 | M1 | 1,1,2-trichlorotrifluoroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 107-05-1 | M1 | allyl chloride | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 156-60-5 | M1 | trans 1,2-dichloroethene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 1634-04-4 | M1 | [MTBE] methyl tert-butyl ether | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 75-34-3 | MP1 | 1,1-dichloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 78-93-3 | M1 | [MEK] 2-butanone | x | 2.51 | 16454 | 7.26 | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 156-59-4 | M1 | cis 1,2-dichloroethene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 590-20-7 | M1 | 2,2-dichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 74-97-5 | M1 | bromoform/methane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 67-66-3 | MCI | chloroform (trichloromethane) | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 109-99-9 | M1 | tetrahydrofuran | x | | | | 10 | ug | 892.061 | < ug/Kg | 8920.607 | 428189.117 | | |
| 71-55-6 | M1 | 1,1,1-trichloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 107-06-2 | M1 | 1,2-dichloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 563-58-6 | M1 | 1,1-dichloropropene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 71-43-2 | M1 | benzene | x | 3.97 | 4718306 | 34.66 | 1 | ug | 892.061 | 30900. ug/Kg | 892.061 | 428189.117 | | |
| 56-26-5 | M1 | carbon tetrachloride | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 79-01-6 | M1 | trichloroethene (TCE) | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 78-87-5 | MCI | 1,2-dichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 74-95-3 | M1 | dibromomethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 75-27-4 | M1 | bromodichloromethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 10061-01-5 | M1 | cis 1,3-dichloropropene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 108-10-1 | M1 | [MIBK] 4-methyl-2-pentanone | x | 6.51 | 17433 | 2.45 | 1 | ug | 892.061 | 2190. ug/Kg | 892.061 | 428189.117 | | |
| 108-88-3 | MCI | toluene | x | 7.48 | 19118066 | 228.46 | 2 | ug | 892.061 | 204000. ug/Kg | 1784.121 | 428189.117 | | |
| 10061-02-6 | M1 | trans 1,3-dichloropropene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 285459.411 | | |
| 79-00-5 | M1 | 1,1,2-trichloroethane | x | 7.07 | 99235 | 5.66 | 1 | ug | 892.061 | 5050. ug/Kg | 892.061 | 428189.117 | | |
| 142-28-9 | M1 | 1,3-dichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 124-48-1 | M1 | dibromochloromethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 127-18-4 | M1 | tetrachloroethene (PERC) | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 106-93-4 | M1 | 1,2-dibromoethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 108-90-7 | MP1 | chlorobenzene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 630-20-6 | M1 | 1,1,1,2-tetrachloroethane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 100-41-4 | MCI | ethylbenzene | x | 11.24 | 13375706 | 86.85 | 1 | ug | 892.061 | 77500. ug/Kg | 892.061 | 428189.117 | | |
| 1 | M1 | m/p xylene | x | 11.81 | 37743478 | 314.22 | 1 | ug | 892.061 | 280000. ug/Kg | 892.061 | 856378.234 | | |
| 100-42-5 | M1 | styrene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 95-47-6 | M1 | o-xylene | x | 12.78 | 15230250 | 125.96 | 1 | ug | 892.061 | 112000. ug/Kg | 892.061 | 428189.117 | | |
| 75-25-2 | MP2 | bromoform (tribromomethane) | x | | | | 2 | ug | 892.061 | < ug/Kg | 1784.121 | 285459.411 | | |
| 79-34-5 | MP2 | 1,1,2,2-tetrachloroethane | x | 12.82 | 41954 | 2.01 | 1 | ug | 892.061 | 1800. ug/Kg | 892.061 | 428189.117 | | |
| 98-82-8 | M3 | isopropylbenzene | x | 13.86 | 3164468 | 19.89 | 1 | ug | 892.061 | 17700. ug/Kg | 892.061 | 428189.117 | | |
| 96-18-4 | M2 | 1,2,3-trichloropropane | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 108-86-1 | M2 | bramobenzene | x | | | | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 95-49-8 | M2 | 2-chlorotoluene | x | 14.83 | 111209 | 2.90 | 1 | ug | 892.061 | 2580. ug/Kg | 892.061 | J 428189.117 | | |
| 103-65-1 | M2 | n-propylbenzene | x | 14.80 | 1305170 | 11.65 | 1 | ug | 892.061 | 301000. ug/Kg | 892.061 | 428189.117 | | |
| 106-43-4 | M2 | +chlorotoluene | x | 14.97 | 14351 | 0.37 | 1 | ug | 892.061 | < ug/Kg | 892.061 | 428189.117 | | |
| 108-67-8 | M2 | 1,3,5-trimethylbenzene | x | 15.34 | 6383708 | 49.48 | 1 | ug | 892.061 | 44100. ug/Kg | 892.061 | 428189.117 | | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_11linov02\
 Data File : 0201002.D
 Acq On : 2 Nov 2011 13:04
 Operator : KEY
 Sample : Blank, 11-0002, 0101110000,
 Misc : 5uL #450
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 02 13:24:38 2011

Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M

Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Thu Jul 28' 15:
 :36 2011

QLast Update : Thu Jul 28 15:27:36 2011

Response via : Initial Calibration

Internal Standards

| | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) fluorbenzene | 4.29 | 96 | 8159586 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.46 | 54 | 1457670+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.88 | 152 | 3192775+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|--------|-------|----------|----------|----|---------|
| 22) dibromofluoromethane | 2.89 | 113 | 3449289+ | 65.79 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 81 - 120 | Recovery | = | 94.12% |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 905115 | 68.19 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 82 - 118 | Recovery | = | 97.55% |
| 36) toluene-d8 | 7.35 | 98 | 7353679 | 71.08 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 89 - 111 | Recovery | = | 101.69% |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 3844002+ | 69.77 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 81 - 119 | Recovery | = | 99.81% |

Target Compounds

| | | | | Value | |
|--------------------------------|------|-----|--------|---------|------|
| 2) dichlorodifluoromethane | 0.00 | 85 | 0 | N.D. | |
| 3) chloromethane | 0.00 | 50 | 0 | N.D. | |
| 4) vinyl chloride | 0.00 | 62 | 0 | N.D. | |
| 5) acetone (2-propanone) | 0.00 | 58 | 0 | N.D. | |
| 6) diethyl ether | 0.00 | 74 | 0 | N.D. | |
| 7) bromomethane | 0.00 | 94 | 0 | N.D. | |
| 8) chloroethane | 0.00 | 64 | 0 | N.D. | |
| 9) trichlorofluoromethane | 0.00 | 101 | 0 | N.D. | |
| 10) 1,1-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 11) methylene chloride | 0.00 | 84 | 0 | N.D. | |
| 12) 1,1,2-trichlorotrifluoroet | 0.00 | 151 | 0 | N.D. | |
| 13) allyl chloride | 1.74 | 78 | 41942+ | 0.75 ug | 36 |
| 14) trans 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 15) [MTBE] methyl tert-butyl e | 0.00 | 73 | 0 | N.D. | |
| 16) 1,1-dichloroethane | 0.00 | 63 | 0 | N.D. | |
| 17) [MEK] 2-butanone | 0.00 | 72 | 0 | N.D. | |
| 18) cis 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 19) 2,2-dichloropropane | 0.00 | 77 | 0 | N.D. | |
| 20) bromochloromethane | 0.00 | 128 | 0+ | N.D. | |
| 21) chloroform (trichlorometha | 0.00 | 83 | 0 | N.D. | |
| 23) tetrahydrafuran | 0.00 | 72 | 0+ | N.D. | |
| 24) 1,1,1-trichloroethane | 0.00 | 97 | 0+ | N.D. | |
| 26) 1,2-dichloroethane | 0.00 | 62 | 0 | N.D. | |
| 27) 1,1-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 28) benzene | 3.97 | 78 | 18531 | 0.14 ug | # 53 |
| 29) carbon tetrachloride | 0.00 | 117 | 0 | N.D. | |
| 30) trichloroethene (TCE) | 0.00 | 130 | 0+ | N.D. | |
| 31) 1,2-dichloropropane | 0.00 | 63 | 0 | N.D. | |
| 32) dibromomethane | 0.00 | 174 | 0 | N.D. | |
| 33) bromodichloromethane | 0.00 | 83 | 0 | N.D. | |
| 34) cis 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 35) [MIBK] 4-methyl-2-pentanon | 0.00 | 58 | 0 | N.D. | |
| 37) toluene | 7.50 | 92 | 67023 | 0.83 ug | 93 |
| 38) trans 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 39) 1,1,2-trichloroethane | 0.00 | 83 | 0 | N.D. | |
| 40) 1,3-dichloropropane | 0.00 | 76 | 0 | N.D. | |
| 41) dibromochloromethane | 0.00 | 123 | 0 | N.D. | |
| 42) tetrachloroethene (PERC) | 0.00 | 166 | 0+ | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov02\
 Data File : 0201002.D
 Acq On : 2 Nov 2011 13:04
 Operator : KEY
 Sample : Blank, 11-0002, 0101110000,
 Misc : SuL #450
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 02 13:24:38 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Thu Jul 28 15:36 2011
 QLast Update : Thu Jul 28 15:27:36 2011
 Response via : Initial Calibration

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev | (Min) |
|--------------------|-----------------------------|-------|------|----------|------|-------|-----|-------|
| 43) | 1,2-dibromoethane | 0.00 | 107 | 0 | N.D. | | | |
| 44) | chlorobenzene | 0.00 | 112 | 0 | N.D. | | | |
| 45) | 1,1,1,2-tetrachloroethane | 0.00 | 131 | 0 | N.D. | | | |
| 46) | ethylbenzene | 11.26 | 91 | 31325 | 0.21 | ug | # | 53 |
| 47) | m/p xylene | 11.83 | 91 | 88456 | 0.76 | ug | # | 84 |
| 48) | styrene | 0.00 | 104 | 0 | N.D. | | | |
| 49) | o-xylene | 12.79 | 91 | 30497 | 0.26 | ug | # | 85 |
| 51) | bromoform (tribromomethane) | 0.00 | 173 | 0 | N.D. | | | |
| 52) | 1,1,2,2-tetrachloroethane | 0.00 | 83 | 0 | N.D. | | | |
| 53) | isopropylbenzene | 13.87 | 105 | 14107 | 0.10 | ug | # | 47 |
| 54) | 1,2,3-trichloropropane | 0.00 | 75 | 0 | N.D. | | | |
| 56) | bromobenzene | 0.00 | 156 | 0 | N.D. | | | |
| 57) | 2-chlorotoluene | 0.00 | 126 | 0 | N.D. | | | |
| 58) | n-propylbenzene | 0.00 | 120 | 0 | N.D. | | | |
| 59) | 4-chlorotoluene | 0.00 | 126 | 0 | N.D. | | | |
| 60) | 1,3,5-trimethylbenzene | 15.34 | 105 | 25576 | 0.21 | ug | | 89 |
| 61) | tert-butylbenzene | 15.60 | 119 | 10675 | 0.10 | ug | # | 25 |
| 62) | 1,2,4-trimethylbenzene | 15.78 | 105 | 63278 | 0.54 | ug | | 92 |
| 63) | 1,2-dibromo-3-chloropropan | 0.00 | 157 | 0+ | N.D. | | | |
| 65) | 1,3-dichlorobenzene | 15.82 | 146 | 14325 | 0.21 | ug | # | 25 |
| 66) | p-isopropyltoluene | 16.11 | 119 | 20072 | 0.15 | ug | # | 33 |
| 67) | sec-butylbenzene | 15.85 | 105 | 23834 | 0.14 | ug | # | 1 |
| 68) | 1,4-dichlorobenzene | 15.90 | 146 | 22167 | 0.33 | ug | # | 1 |
| 69) | 1,2-dichlorobenzene | 16.25 | 146 | 14844 | 0.25 | ug | # | 25 |
| 70) | n-butylbenzene | 16.50 | 91 | 42965 | 0.32 | ug | # | 47 |
| 71) | 1,2,4-trichlorobenzene | 17.75 | 180 | 39347 | 0.99 | ug | # | 95 |
| 72) | hexachlorobutadiene | 17.98 | 225 | 10760 | 0.41 | ug | # | 34 |
| 73) | naphthylene | 17.90 | 128 | 140747 | 1.96 | ug | # | 96 |
| 74) | 1,2,3-trichlorobenzene | 18.02 | 180 | 39116 | 1.12 | ug | # | 83 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\111nov02\
 Data File : 0201002.D
 Acq. Date : 2 Nov 2011 13:04
 Operator : KEY
 Sample : Blank, 11-U002, 010110000,
 Mine : 5UL #450
 AL3 Vial : 2 Sample Multiplier: 1

Quant Time: Nov 02 13:24:38 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973-8260 - Method 524.2 List - Purgeable Thu Jul 28 15:27:36 2011
 Last Update : Thu Jul 28 15:27:36 2011
 Response via : Initial Calibration

Abundance
1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

4620.VK.M Wed Nov 02 14:35:44 2011

Time--> 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00

8260 Analytical Report

Client : Storage Tank Technology, Inc.
 Client Project Name : Basin Western
 Client Project Number :
 Client Sample Number : G-Toe, 1'
 Client Sample Location : Hwy 141
 Sampling Date : 11/7/2011
 Sampling Time : 10:00
 Sample Matrix : Soil
 Sampler : Shad
 Key Labs Report Prefix:

KEY LABORATORIES, INC.

2479A Riverside Parkway
 Grand Junction, CO 81505-1319
 (970) 243-5311 FAX (970) 243-6010

QC Type: M
 Key Lab #: 11-1380
 Work Order #: 1110111377
 Date Received : 11/10/11
 Method : EPA SW846 5030/5035/8260
 Technician : KEY
 Data File Name: 1201012.D
 Date Analyzed : 16 Nov 2011 15:18
 Data File Path: C:\MSDCHEM\DATA\1111NOV16
 Lab Sample Information : Soil, 2.98g, STTI, Basin Western Hwy 141
 Lab Sample Number : G-Toe, 1', 11-1380, M, 1110111377,

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] =
 Dilution/Extraction volume [mL] =

Reported=>>

x

Significant Figures = 3

Sample vol/wt = 5

DF = 1

| CAS# | Type | Target Compound | Audit | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Report Units | RDL | Qual | MOL |
|------------|------|--------------------------------|-------|-------|--------|------|-----|-------|----|-------------|--------------|-----|------|-----|
| 75-71-8 | M1 | dichlorodifluoromethane | x | | | | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 74-87-3 | MPI | chloromethane | x | 1.02 | 10795 | 0.38 | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 75-01-4 | MCI | vinyl chloride | x | | | | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 67-64-1 | M1 | acetone (2-propanone) | x | | | | 10 | ug | 1. | < ug/Kg | 10. | | 480 | |
| 60-29-7 | M1 | diethyl ether | x | | | | 10 | ug | 1. | < ug/Kg | 10. | | 480 | |
| 74-83-9 | M1 | bromomethane | x | 1.18 | | | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 75-00-3 | M1 | chloroethane | x | | | | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 75-69-4 | M1 | trichlorofluoromethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 75-35-4 | MCI | 1,1-dichloroethene | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 75-09-2 | M1 | methylene chloride | x | 1.71 | 20480 | 0.76 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 76-13-1 | M1 | 1,1,2-trichlorotrifluoroethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 107-05-1 | M1 | allyl chloride | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 156-60-5 | M1 | trans 1,2-dichloroethene | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 1634-04-4 | M1 | [MTBE] methyl tert-butyl ether | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 75-34-3 | MPI | 1,1-dichloroethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 78-93-3 | M1 | [MEK] 2-butanone | x | | | | 10 | ug | 1. | < ug/Kg | 10. | | 480 | |
| 156-59-4 | M1 | cis 1,2-dichloroethene | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 590-20-7 | M1 | 2,2-dichloropropane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 74-97-5 | M1 | bromochloromethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 67-66-3 | MCI | chloroform (trichloromethane) | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 109-99-9 | M1 | tetrahydrofuran | x | | | | 10 | ug | 1. | < ug/Kg | 10. | | 480 | |
| 71-55-6 | M1 | 1,1,1-trichloroethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 107-06-2 | M1 | 1,2-dichloroethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 563-58-6 | M1 | 1,1-dichloropropene | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 71-43-2 | M1 | benzene | x | 3.97 | 71227 | 0.50 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 56-26-5 | M1 | carbon tetrachloride | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 79-01-6 | M1 | trichloroethene (TCE) | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 78-87-5 | MCI | 1,2-dichloropropane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 74-95-3 | M1 | dibromomethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 75-37-4 | M1 | bromodichloromethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 10061-01-5 | M1 | cis 1,3-dichloropropene | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 108-10-1 | M1 | [MIBK] 4-methyl-2-pentanone | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 108-88-3 | MCI | toluene | x | 7.49 | 173321 | 1.96 | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 10061-02-6 | M1 | trans 1,3-dichloropropene | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 320 | |
| 79-00-5 | M1 | 1,1,2-trichloroethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 142-28-9 | M1 | 1,3-dichloropropane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 124-48-1 | M1 | dibromochloromethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 127-18-4 | M1 | tetrachloroethene (PERC) | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 106-93-4 | M1 | 1,2-dibromoethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 108-90-7 | MPI | chlorobenzene | x | 10.55 | 32041 | 0.33 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 630-20-6 | M1 | 1,1,1,2-tetrachloroethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 100-41-4 | MCI | ethylbenzene | x | 11.26 | 60736 | 0.36 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 1 | M1 | m/p xylene | x | 11.84 | 152415 | 1.15 | 1 | ug | 1. | 1.2 ug/Kg | 1. | J | 960 | |
| 100-42-5 | M1 | styrene | x | 12.67 | 19279 | 0.21 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 95-47-6 | M1 | o-xylene | x | 12.79 | 121320 | 0.91 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 75-25-2 | MP2 | bromoform (tribromomethane) | x | | | | 2 | ug | 1. | < ug/Kg | 2. | | 320 | |
| 79-34-5 | MP2 | 1,1,2,2-tetrachloroethane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 98-82-8 | M2 | isopropylbenzene | x | 13.85 | 35391 | 0.22 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 96-18-4 | M2 | 1,2,3-trichloropropane | x | | | | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 108-86-1 | M2 | bromobenzene | x | 14.13 | 14957 | 0.42 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 95-49-8 | M2 | 2-chlorotoluene | x | 14.81 | 11357 | 0.30 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 103-65-1 | M2 | n-propylbenzene | x | 14.81 | 17169 | 0.39 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 106-43-4 | M2 | 4-chlorotoluene | x | 14.97 | 15267 | 0.39 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 108-67-8 | M2 | 1,3,5-trimethylbenzene | x | 15.34 | 105495 | 0.81 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |

8260 Analytical Report

Client : Storage Tank Technology, Inc.
 Client Project Name : Basin Western
 Client Project Number :
 Client Sample Number : G-Toe, I'
 Client Sample Location : Hwy 141
 Sampling Date : 11/7/2011
 Sampling Time : 10:00
 Sample Matrix : Soil
 Sampler : Shad
 Key Labs Report Prefix:

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] =
 Dilution/Extraction volume [mL] =

Reported=>> x

KEY LABORATORIES, INC.
 2479A Riverside Parkway
 Grand Junction, CO 81505-1319
 (970) 243-5311 FAX (970) 243-6010
 QC Type: M
 Key Lab #: 11-1380
 Work Order #: 1110111377
 Date Received: 11/10/11
 Method: EPA SW846 5030/5035/8260
 Technician: KEY
 Data File Name: 1201012.D
 Date Analyzed: 16 Nov 2011 15:18
 Data File Path: C:\MSDCHEM\NDATA_1111NOV16\
 Lab Sample Information: Soil, 2.98g, STTL, Basin Western Hwy 141
 Lab Sample Number: G-Toe, I', 11-1380, M, 1110111377,
 Significant Figures = 3
 Sample vol/wt = 5

| CAS# | Type | Target Compounds | Audit | R.T. | Resp. | Act. | MDL | Units | DF | Final Conc. | Report Units | RDL | Qual | MQL |
|----------|------|-----------------------------|-------|-------|--------|------|-----|-------|----|-------------|--------------|-----|------|-----|
| 98-06-6 | M2 | tert-butylbenzene | x | 15.60 | 34644 | 0.39 | 1 | ug | 1. | < ug/Kg | ug/Kg | 1. | | 480 |
| 95-63-6 | M2 | 1,2,4-trimethylbenzene | x | 15.77 | 170737 | 1.34 | 1 | ug | 1. | 1.3 | ug/Kg | 1. | J | 480 |
| 96-12-8 | M2 | 1,2-dibromo-3-chloropropane | x | | | | 2 | ug | 1. | < ug/Kg | ug/Kg | 2. | | 320 |
| 541-73-1 | M3 | 1,3-dichlorobenzene | x | 15.82 | 41517 | 0.60 | 1 | ug | 1. | < ug/Kg | ug/Kg | 1. | | 480 |
| 99-87-6 | M3 | p-isopropyltoluene | x | 16.11 | 169671 | 1.22 | 1 | ug | 1. | 1.2 | ug/Kg | 1. | J | 480 |
| 135-98-8 | M3 | sec-butylbenzene | x | 15.85 | 64969 | 0.38 | 1 | ug | 1. | < ug/Kg | ug/Kg | 1. | | 480 |
| 106-46-7 | M3 | 1,4-dichlorobenzene | x | 15.82 | 41457 | 0.60 | 1 | ug | 1. | < ug/Kg | ug/Kg | 1. | | 480 |
| 95-50-1 | M3 | 1,2-dichlorobenzene | x | 16.25 | 39262 | 0.63 | 1 | ug | 1. | < ug/Kg | ug/Kg | 1. | | 480 |
| 104-51-8 | M3 | n-butylbenzene | x | 16.50 | 87425 | 0.63 | 1 | ug | 1. | < ug/Kg | ug/Kg | 1. | | 480 |
| 120-82-1 | M3 | 1,2,4-trichlorobenzene | x | 17.75 | 79980 | 1.78 | 2 | ug | 1. | < ug/Kg | ug/Kg | 1. | | 480 |
| 87-68-3 | M3 | hexachlorobutadiene | x | 17.97 | 56445 | 1.80 | 2 | ug | 1. | < ug/Kg | ug/Kg | 2. | | 480 |
| 91-20-3 | M3 | naphthalene | x | 17.89 | 405952 | 4.81 | 2 | ug | 1. | 4.8 | ug/Kg | 2. | J | 480 |
| 87-61-6 | M3 | 1,2,3-trichlorobenzene | x | 18.02 | 126696 | 3.12 | 2 | ug | 1. | 3.1 | ug/Kg | 2. | J | 480 |

| CAS# | Type | Internal Standard Compounds | Resp. | Amt. | CCV Area% | Units | Initial Area% | Init. Resp. | Water Litter Limits | Soil Limits Spike | | | | |
|------------|------|-----------------------------|-------|-------|-----------|-------|---------------|-------------|---------------------|-------------------|----------|----------|------|------|
| 1868-53-7 | S1 | dibromofluoromethane | x | 2.90 | 4125201 | 60.24 | 87.3 | ug | 78.5 | 5257191 | 81 - 120 | 73 - 127 | 69.9 | 86.2 |
| 17060-07-0 | S1 | 1,2 dichloroethane-d4 | x | 3.33 | 1086777 | 69.47 | 99.5 | ug | 89.7 | 1211955 | 82 - 118 | 83 - 117 | 69.9 | 99.4 |
| 2037-26-5 | S1 | toluene-d8 | x | 7.35 | 8070120 | 68.07 | 95.8 | ug | 90.9 | 8880689 | 89 - 111 | 86 - 114 | 69.9 | 97.4 |
| 460-00-4 | S2 | 4-bromofluorobenzene | x | 13.77 | 4166101 | 65.42 | 88.8 | ug | 77.7 | 5364577 | 81 - 119 | 72 - 128 | 69.9 | 93.6 |

| CAS# | Type | Internal Standard Compounds | Resp. | Amt. | CCV Area% | Units | Initial Area% | Init. Resp. | Water Litter Limits | Soil Limits Spike | | | |
|-----------|------|-----------------------------|-------|-------|-----------|-------|---------------|-------------|---------------------|-------------------|----------|----------|------|
| 462-06-6 | I1 | fluorobenzene | x | 4.29 | 8928355 | 69.90 | 96.9 | ug | 92.8 | 9618321 | 50 - 150 | 50 - 150 | 69.9 |
| 3114-53-4 | I2 | chlorobenzene-d5 | x | 10.46 | 1610286 | 69.90 | 92.6 | ug | 84.2 | 1913186 | 50 - 150 | 50 - 150 | 69.9 |
| 3855-82-1 | I3 | 1,4-diehlorobenzene-d4 | x | 15.87 | 3421360 | 69.90 | 88.4 | ug | 83.3 | 4107216 | 50 - 150 | 50 - 150 | 69.9 |

MDL = Method Detection Limit

PQL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_111nov16\
 Data File : 1201012.D
 Acq On : 16 Nov 2011 15:18
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, M, 1110111377,
 Misc : Soil, 2.98g, STTI, Basin Western Hwy 141
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 16 15:45:05 2011

Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M

Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011

QLast Update : Wed Nov 16 15:10:07 2011

Response via : Initial Calibration

Internal Standards

| R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------|------|----------|------|-------|----------|
|------|------|----------|------|-------|----------|

| | | | | | | |
|----------------------------|-------|-----|----------|-------|----|------|
| 1) fluorbenzene | 4.29 | 96 | 8928355 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.46 | 54 | 1610286+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.87 | 152 | 3421360+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|----------|-------|----------|-------|--------|------|
| 22) dibromofluoromethane | 2.90 | 113 | 4125201+ | 60.24 | ug | 0.00 |
| Spiked Amount 69.900 | Range 73 | - 127 | Recovery | = | 86.18% | |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 1086777 | 69.47 | ug | 0.00 |
| Spiked Amount 69.900 | Range 83 | - 117 | Recovery | = | 99.38% | |
| 36) toluene-d8 | 7.35 | 98 | 8070120 | 68.07 | ug | 0.00 |
| Spiked Amount 69.900 | Range 86 | - 114 | Recovery | = | 97.38% | |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 4166101+ | 65.42 | ug | 0.00 |
| Spiked Amount 69.900 | Range 72 | - 128 | Recovery | = | 93.59% | |

Target Compounds

| | | | | | Qvalue |
|--------------------------------|------|-----|--------|---------|--------|
| 2) dichlorodifluoromethane | 0.00 | 85 | 0 | N.D. | |
| 3) chloromethane | 1.02 | 50 | 10795 | 0.28 ug | # 1 |
| 4) vinyl chloride | 0.00 | 62 | 0 | N.D. | |
| 5) acetone (2-propanone) | 0.00 | 58 | 0 | N.D. | |
| 6) diethyl ether | 0.00 | 74 | 0 | N.D. | |
| 7) bromomethane | 1.18 | 94 | 0 | N.D. | |
| 8) chloroethane | 0.00 | 64 | 0 | N.D. | |
| 9) trichlorofluoromethane | 0.00 | 101 | 0 | N.D. | |
| 10) 1,1-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 11) methylene chloride | 1.71 | 84 | 20480 | 0.76 ug | # 84 |
| 12) 1,1,2-trichlorotrifluoroet | 0.00 | 151 | 0 | N.D. | |
| 13) allyl chloride | 0.00 | 78 | 0+ | N.D. | |
| 14) trans 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 15) [MTBE] methyl tert-butyl e | 0.00 | 73 | 0 | N.D. | |
| 16) 1,1-dichloroethane | 0.00 | 63 | 0 | N.D. | |
| 17) [MEK] 2-butanone | 0.00 | 72 | 0 | N.D. | |
| 18) cis 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 19) 2,2-dichloropropane | 0.00 | 77 | 0 | N.D. | |
| 20) bromochloromethane | 0.00 | 128 | 0+ | N.D. | |
| 21) chloroform (trichlorometha | 0.00 | 83 | 0 | N.D. | |
| 23) tetrahydrofuran | 0.00 | 72 | 0+ | N.D. | |
| 24) 1,1,1-trichloroethane | 0.00 | 97 | 0+ | N.D. | |
| 26) 1,2-dichloroethane | 0.00 | 62 | 0 | N.D. | |
| 27) 1,1-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 28) benzene | 3.97 | 78 | 71227 | 0.50 ug | 93 |
| 29) carbon tetrachloride | 0.00 | 117 | 0 | N.D. | |
| 30) trichloroethene (TCE) | 0.00 | 130 | 0+ | N.D. | |
| 31) 1,2-dichloropropane | 0.00 | 63 | 0 | N.D. | |
| 32) dibromomethane | 0.00 | 174 | 0 | N.D. | |
| 33) bromodichloromethane | 0.00 | 83 | 0 | N.D. | |
| 34) cis 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 35) [MIBK] 4-methyl-2-pentanon | 0.00 | 58 | 0 | N.D. | |
| 37) toluene | 7.49 | 92 | 173321 | 1.96 ug | 97 |
| 38) trans 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 39) 1,1,2-trichloroethane | 0.00 | 83 | 0 | N.D. | |
| 40) 1,3-dichloropropane | 0.00 | 76 | 0 | N.D. | |
| 41) dibromochloromethane | 0.00 | 129 | 0 | N.D. | |
| 42) tetrachloroethene (PERC) | 0.00 | 166 | 0+ | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 1201012.D
 Acq On : 16 Nov 2011 15:18
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, M, 1110111377,
 Misc : Soil, 2.98g, STTI, Basin Western Hwy 141
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 16 15:45:05 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011
 QLast Update : Wed Nov 16 15:10:07 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------------|-------|------|----------|------|-------|----------|
| 43) 1,2-dibromoethane | 0.00 | 107 | 0 | N.D. | | |
| 44) chlorobenzene | 10.55 | 112 | 32041 | 0.33 | ug | # 1 |
| 45) 1,1,1,2-tetrachloroethane | 0.00 | 131 | 0 | N.D. | | |
| 46) ethylbenzene | 11.26 | 91 | 60735 | 0.36 | ug | # 88 |
| 47) m/p xylene | 11.84 | 91 | 152415 | 1.15 | ug | # 97 |
| 48) styrene | 12.67 | 104 | 19279 | 0.21 | ug | # 36 |
| 49) o-xylene | 12.79 | 91 | 121320 | 0.91 | ug | # 95 |
| 51) bromoform (tribromomethane) | 0.00 | 173 | 0 | N.D. | | |
| 52) 1,1,2,2-tetrachloroethane | 0.00 | 83 | 0 | N.D. | | |
| 53) isopropylbenzene | 13.85 | 105 | 35391 | 0.22 | ug | # 47 |
| 54) 1,2,3-trichloropropane | 0.00 | 75 | 0 | N.D. | | |
| 56) bromobenzene | 14.13 | 156 | 14957 | 0.42 | ug | # 55 |
| 57) 2-chlorotoluene | 14.81 | 126 | 11357 | 0.30 | ug | # 62 |
| 58) n-propylbenzene | 14.81 | 120 | 17169 | 0.39 | ug | # 32 |
| 59) 4-chlorotoluene | 14.97 | 126 | 15267 | 0.39 | ug | # 88 |
| 60) 1,3,5-trimethylbenzene | 15.34 | 105 | 105495 | 0.81 | ug | # 96 |
| 61) tert-butylbenzene | 15.60 | 119 | 34644 | 0.29 | ug | # 71 |
| 62) 1,2,4-trimethylbenzene | 15.77 | 105 | 170737 | 1.34 | ug | # 99 |
| 63) 1,2-dibromo-3-chloropropan | 0.00 | 157 | 0+ | N.D. | | |
| 65) 1,3-dichlorobenzene | 15.82 | 146 | 41517 | 0.60 | ug | # 89 |
| 66) p-isopropyltoluene | 16.11 | 119 | 169671 | 1.22 | ug | # 77 |
| 67) sec-butylbenzene | 15.85 | 105 | 64969 | 0.38 | ug | # 1 |
| 68) 1,4-dichlorobenzene | 15.82 | 146 | 41457 | 0.60 | ug | # 89 |
| 69) 1,2-dichlorobenzene | 16.25 | 146 | 39262 | 0.63 | ug | # 76 |
| 70) n-butylbenzene | 16.50 | 91 | 87425 | 0.63 | ug | # 84 |
| 71) 1,2,4-trichlorobenzene | 17.75 | 180 | 79980 | 1.78 | ug | # 90 |
| 72) hexachlorobutadiene | 17.97 | 225 | 56445 | 1.80 | ug | # 66 |
| 73) napthylene | 17.89 | 128 | 405952 | 4.81 | ug | # 94 |
| 74) 1,2,3-trichlorobenzene | 18.02 | 180 | 126696 | 3.12 | ug | # 85 |

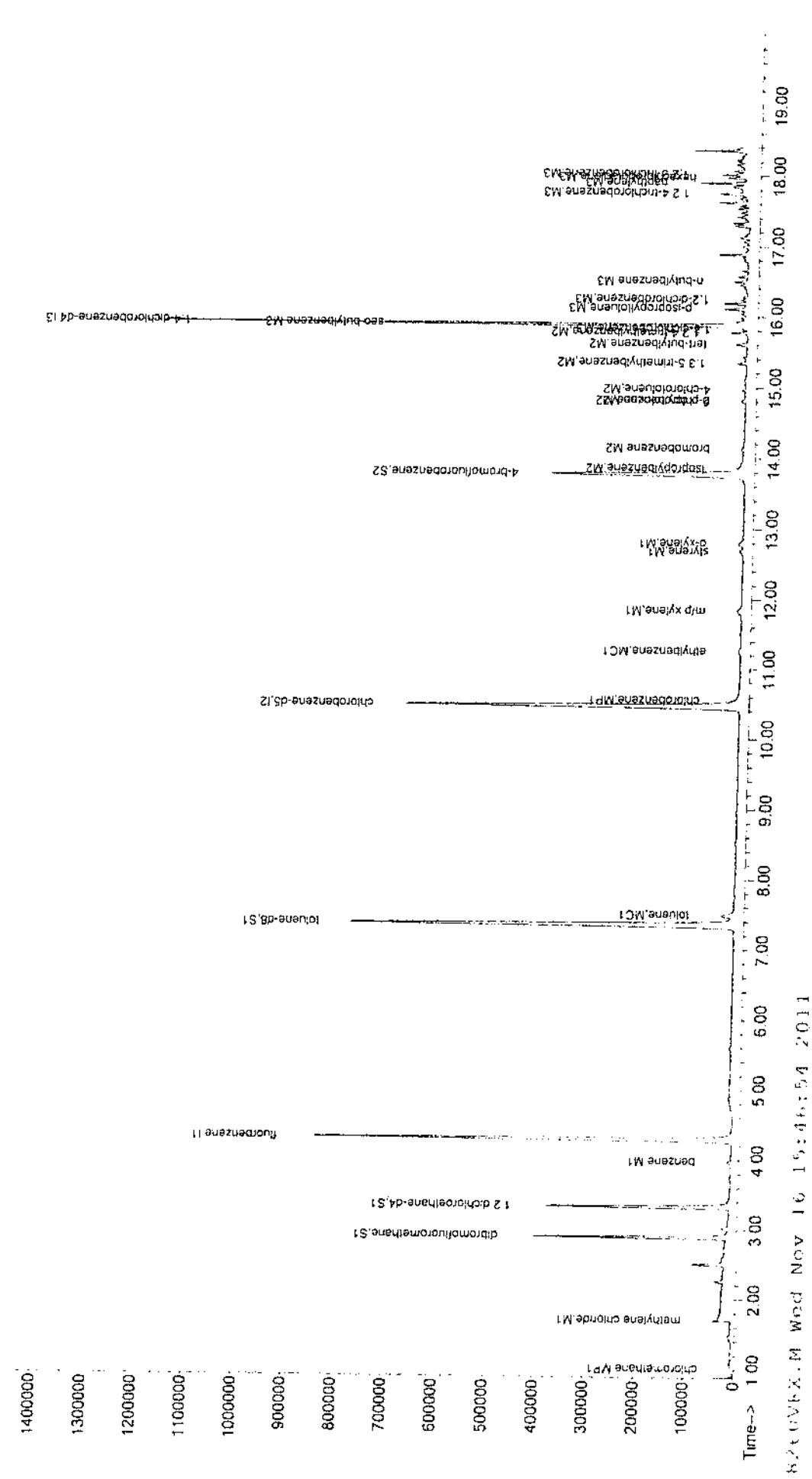
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Instrument Path : C:\MSDCHEM\DATA\111Nov16\
 Data File : 1201012.D
 Analysis : 16 Nov 2011 15:18
 Operator : KEY
 Samples : G-Toe, 1, 11-1360, M, 1110111377,
 Matrix : Soil, 2.984, STL, Basin Western Hwy 141
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 16 15:45:05 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260V.RX.M
 Quant Title : 4VRXB260 5973-8260 - Method 524.2 List - Purgable Wed Nov 16 15:10:07 2011
 Last Update : Wed Nov 16 15:10:07 2011
 Response, via : Initial Calibration

Abundance



8260 Analytical Report

Client: Storage Tank Technology, Inc.
 Client Project Name: Basin Western
 Client Project Number:
 Client Sample Number: G-Toe, 1'
 Client Sample Location: Hwy 141
 Sampling Date: 11/7/2011
 Sampling Time: 10:00
 Sample Matrix: Soil
 Sampler: Shad
 Key Labs Report Prefix:

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [μ L] =
 Dilution/Extraction volume [mL] =

Reported=>> x

KEY LABORATORIES, INC.

2479A Riverside Parkway
 Grand Junction, CO 81505-1319
 (970) 243-5311 FAX (970) 243-6010

QC Type: MD
 Key Lab #: 11-1380
 Work Order #: 1110111377
 Date Received: 11/10/11
 Method: EPA SW846 5030/5035/8260
 Technician: KEY
 Data File Name: 1401014.D
 Date Analyzed: 16 Nov 2011 16:10
 Data File Path: C:\MSDCHEM\DATA\1110111377
 Lab Sample Information: Soil, 2.98g, STTI, Basin Western Hwy 141
 Lab Sample Number: G-Toe, 1', 11-1380, MD, 1110111377
 Significant Figures = 3
 Sample vol/wt = 5
 DF = 1

| CAS# | Type | Target Compound | Auth. | R.T. | Repic. | Am. | MDL | Units | DP | Final Conc. | Report Units | RDL | Qual. | MO |
|------------|------|--------------------------------|-------|-------|--------|------|-------|---------|------|-------------|--------------|-----|-------|-----|
| 75-71-8 | M1 | dichlorodifluoromethane | x | | | | 2 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 74-87-3 | MP1 | chloromethane | x | | | | 2 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 75-01-4 | MC1 | v vinyl chloride | x | | | | 2 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 67-64-1 | M1 | acetone (2-propanone) | x | | | | 10 | μ g | 1. | < | μ g/Kg | 10. | 480 | |
| 60-29-7 | M1 | diethyl ether | x | | | | 10 | μ g | 1. | < | μ g/Kg | 10. | 480 | |
| 74-83-9 | M1 | bromomethane | x | | | | 2 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 75-00-3 | M1 | chloroethane | x | | | | 2 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 75-69-4 | M1 | trichlorofluoromethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 75-35-4 | MC1 | 1,1-dichloroethene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 75-09-2 | M1 | methylene chloride | x | 1.71 | 13673 | 0.50 | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 76-13-1 | M1 | 1,1,2-trichlorotrifluoroethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 107-05-1 | M1 | allyl chloride | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 156-60-5 | M1 | trans 1,2-dichloroethene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 1634-04-4 | M1 | [MTBE] methyl tert-butyl ether | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 75-34-3 | MP1 | 1,1-dichloroethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 78-93-3 | M1 | [MEK] 2-butanone | x | | | | 10 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 156-59-4 | M1 | cis 1,2-dichloroethene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 10. | 480 | |
| 590-20-7 | M1 | 2,2-dichloropropane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 74-97-5 | M1 | bromochloromethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 67-66-3 | MC1 | chloroform (trichloromethane) | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 109-99-9 | M1 | tetrahydrofuran | x | | | | 10 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 71-55-6 | M1 | 1,1,1-trichloroethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 10. | 480 | |
| 107-06-2 | M1 | 1,2-dichloroethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 563-58-6 | M1 | 1,1-dichloropropene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 71-43-2 | M1 | benzene | x | 3.97 | 68814 | 0.48 | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 56-26-5 | M1 | carbon tetrachloride | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 79-01-6 | M1 | trichloroethene (TCE) | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 78-87-5 | MC1 | 1,2-dichloropropane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 74-95-3 | M1 | dibromomethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 75-27-4 | M1 | bromodichloromethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 10061-01-5 | M1 | cis 1,3-dichloropropene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 108-10-1 | M1 | [MIBK] 4-methyl-2-pentanone | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 108-88-3 | MC1 | toluene | x | 7.49 | 160534 | 1.81 | 2 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 10061-02-6 | M1 | trans 1,3-dichloropropene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 79-00-5 | M1 | 1,1,2-trichloroethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 320 | |
| 142-38-9 | M1 | 1,3-dichloropropane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 124-48-1 | M1 | dibromochloromethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 127-18-4 | M1 | tetrachloroethene (PERC) | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 106-93-4 | M1 | 1,2-dibromoethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 108-90-7 | MP1 | chlorobenzene | x | 10.55 | 15200 | 0.16 | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 630-20-6 | M1 | 1,1,1,2-tetrachloroethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 100-41-4 | MC1 | ethylbenzene | x | 11.26 | 56110 | 0.33 | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 1 | M1 | m/p xylene | x | 11.84 | 134861 | 1.01 | 1 | μ g | 1. | < | μ g/Kg | 1. | J | 960 |
| 100-42-5 | M1 | styrene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 95-47-6 | M1 | α -xylene | x | | | | 12.79 | 104005 | 0.78 | 1 | μ g | 1. | < | 480 |
| 75-25-2 | MP2 | bromoform (tribromomethane) | x | | | | 2 | μ g | 1. | < | μ g/Kg | 2. | 480 | |
| 79-34-5 | MP2 | 1,1,2,2-tetrachloroethane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 320 | |
| 98-82-8 | M2 | isopropylbenzene | x | 13.87 | 15635 | 0.10 | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 96-18-4 | M2 | 1,2,3-trichloropropane | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 108-86-1 | M2 | bromobenzene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 95-49-8 | M2 | 2-chlorotoluene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 103-63-1 | M2 | n-propylbenzene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 106-43-4 | M2 | 4-chlorotoluene | x | | | | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |
| 108-67-8 | M2 | 1,3,5-trimethylbenzene | x | 15.34 | 83036 | 0.62 | 1 | μ g | 1. | < | μ g/Kg | 1. | 480 | |

8260 Analytical Report

Client : Storage Tank Technology, Inc.
 Client Project Name : Basin Western
 Client Project Number :
 Client Sample Number : G-Toe_1'
 Client Sample Location : Iwy 141
 Sampling Date : 11/7/2011
 Sampling Time : 10:00
 Sample Matrix : Soil
 Sampler : Shad
 Key Labs Report Prefix:

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] =
 Dilution/Extraction volume [mL] =

Reported=>> x

KEY LABORATORIES, INC.
 2479A Riverside Parkway
 Grand Junction, CO 81505-1319
 (970) 243-5311 FAX (970) 243-6010

QC Type: MD
 Key Lab #: 11-1380
 Work Order #: 1110111377
 Date Received : 11/10/11
 Method : EPA SW846 5030/5035/8260
 Technician : KEY
 Data File Name: I401014.D
 Date Analyzed : 16 Nov 2011 16:10
 Data File Path : C:\MSDCHEM\DATA_1110111377\
 Lab Sample Information : Soil, 2.98g, STTL, Basin Western Hwy 141
 Lab Sample Number : G-Toe_1', 11-1380, MD, 1110111377,
 Significant Figures = 3
 Sample vol/wt = 5
 DF = 1

| CASE | Type | Target Compounds | Auth. | R.T. | Resp. | Auth. | MDL | Units | DF | Final Conc. | Report Units | RDL | Qual | MQL |
|----------|------|-----------------------------|-------|-------|--------|-------|-----|-------|----|-------------|--------------|-----|------|-----|
| 98-06-6 | M2 | tert-butylbenzene | x | 15.60 | 11596 | 0.10 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 95-63-6 | M2 | 1,2,4-trimethylbenzene | x | 15.78 | 155801 | 1.18 | 1 | ug | 1. | 1.2 ug/Kg | 1. | J | 480 | |
| 96-12-8 | M2 | 1,2-dibromo-3-chloropropane | x | | | | 2 | ug | 1. | < ug/Kg | 2. | | 320 | |
| 541-73-1 | M3 | 1,3-dichlorobenzene | x | 15.82 | 18277 | 0.38 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 99-87-6 | M3 | p-isopropyltoluene | x | 16.11 | 146975 | 1.10 | 1 | ug | 1. | 1.1 ug/Kg | 1. | J | 480 | |
| 135-98-8 | M3 | sec-butylbenzene | x | 15.85 | 24735 | 0.15 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 106-46-7 | M3 | 1,4-dichlorobenzene | x | 15.90 | 33324 | 0.50 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 95-50-1 | M3 | 1,2-dichlorobenzene | x | 16.24 | 21672 | 0.36 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 104-51-8 | M3 | n-butylbenzene | x | 16.30 | 40338 | 0.30 | 1 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 120-82-1 | M3 | 1,2,4-trichlorobenzene | x | 17.75 | 29118 | 0.67 | 2 | ug | 1. | < ug/Kg | 1. | | 480 | |
| 87-68-3 | M3 | hexachlorobutadiene | x | 17.98 | 15379 | 0.51 | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 91-20-3 | M3 | naphthalene | x | 17.90 | 252417 | 3.11 | 2 | ug | 1. | < ug/Kg | 2. | | 480 | |
| 87-61-6 | M3 | 1,2,3-trichlorobenzene | x | 18.02 | 39243 | 1.01 | 2 | ug | 1. | 3.1 ug/Kg | 2. | J | 480 | |

| CASE | Type | Internal Standard Compounds | Auth. | Resp. | Amt. | CCV Area% | Units | Initial Area% | Int. Resp. | Water Litter Limts | Soil Litter Limts | Spike | |
|------------|------|-----------------------------|-------|-------|---------|-----------|-------|---------------|------------|--------------------|-------------------|----------|------------|
| 1868-53-7 | S1 | dibromofluoromethane | x | 2.89 | 4294407 | 62.39 | 90.9 | ug | 81.7 | 5257191 | 81 - 120 | 73 - 127 | 69.9 89.3 |
| 17060-07-0 | S1 | 1,2 dichloroethane-d4 | x | 3.33 | 1135458 | 72.21 | 104. | ug | 93.7 | 1211955 | 82 - 118 | 83 - 117 | 69.9 103.3 |
| 2037-26-5 | S1 | toluene-d8 | x | 7.35 | 8175082 | 68.60 | 97.1 | ug | 92.1 | 8880689 | 89 - 111 | 86 - 114 | 69.9 98.1 |
| 460-00-4 | S2 | 4-bromofluorobenzene | x | 13.77 | 4078563 | 62.28 | 87. | ug | 76. | 5364577 | 81 - 119 | 72 - 128 | 69.9 89.1 |

| CASE | Type | Internal Standard Compounds | Auth. | Resp. | Amt. | CCV Area% | Units | Initial Area% | Int. Resp. | Water Litter Limts | Soil Litter Limts | Spike | |
|-----------|------|-----------------------------|-------|-------|---------|-----------|-------|---------------|------------|--------------------|-------------------|----------|------|
| 462-06-6 | I1 | fluorobenzene | x | 4.29 | 8974760 | 69.90 | 97.4 | ug | 93.3 | 9618321 | 50 - 150 | 50 - 150 | 69.9 |
| 3114-55-4 | I2 | chlorobenzene-d5 | x | 10.46 | 1656006 | 69.90 | 95.2 | ug | 86.6 | 1913186 | 50 - 150 | 50 - 150 | 69.9 |
| 3855-82-1 | I3 | 1,4-dichlorobenzene-d4 | x | 15.87 | 3286734 | 69.90 | 85. | ug | 80. | 4107216 | 50 - 150 | 50 - 150 | 69.9 |

MDL = Method Detection Limit

PQL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 1401014.D
 Acq On : 16 Nov 2011 16:10
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, MD, 1110111377,
 Misc : Soil, 2.98g, STTI, Basin Western Hwy 141
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 16 16:30:34 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011
 QLast Update : Wed Nov 16 15:10:07 2011
 Response via : Initial Calibration

Internal Standards

| | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) fluorbenzene | 4.29 | 96 | 8974760 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.46 | 54 | 1656006+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.87 | 152 | 3286734+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|----------------|-----|----------|-------|---------|------|
| 22) dibromofluoromethane | 2.89 | 113 | 4294407+ | 62.39 | ug | 0.00 |
| Spiked Amount 69.900 | Range 73 - 127 | | Recovery | = | 89.26% | |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 1135458 | 72.21 | ug | 0.00 |
| Spiked Amount 69.900 | Range 83 - 117 | | Recovery | = | 103.30% | |
| 36) toluene-d8 | 7.35 | 98 | 8175082 | 68.60 | ug | 0.00 |
| Spiked Amount 69.900 | Range 86 - 114 | | Recovery | = | 98.14% | |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 4078563+ | 62.28 | ug | 0.00 |
| Spiked Amount 69.900 | Range 72 - 128 | | Recovery | = | 89.10% | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Dev(Min) | Qvalue |
|-----------------------------------|------|------|----------|------|-------|----------|--------|
| 2) dichlorodifluoromethane | 0.00 | 85 | 0 | N.D. | | | |
| 3) chloromethane | 0.00 | 50 | 0 | N.D. | | | |
| 4) vinyl chloride | 0.00 | 62 | 0 | N.D. | | | |
| 5) acetone (2-propanone) | 0.00 | 58 | 0 | N.D. | | | |
| 6) diethyl ether | 0.00 | 74 | 0 | N.D. | | | |
| 7) bromomethane | 0.00 | 94 | 0 | N.D. | | | |
| 8) chloroethane | 0.00 | 64 | 0 | N.D. | | | |
| 9) trichlorofluoromethane | 0.00 | 101 | 0 | N.D. | | | |
| 10) 1,1-dichloroethene | 0.00 | 96 | 0 | N.D. | | | |
| 11) methylene chloride | 1.71 | 84 | 13673 | 0.50 | ug | # | 80 |
| 12) 1,1,2-trichlorotrifluoroet | 0.00 | 151 | 0 | N.D. | | | |
| 13) allyl chloride | 0.00 | 78 | 0+ | N.D. | | | |
| 14) trans 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | | | |
| 15) [MTBE] methyl tert-butyl e | 0.00 | 73 | 0 | N.D. | | | |
| 16) 1,1-dichloroethane | 0.00 | 63 | 0 | N.D. | | | |
| 17) [MEK] 2-butanone | 0.00 | 72 | 0 | N.D. | | | |
| 18) cis 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | | | |
| 19) 2,2-dichloropropane | 0.00 | 77 | 0 | N.D. | | | |
| 20) bromochloromethane | 0.00 | 128 | 0+ | N.D. | | | |
| 21) chloroform (trichlorometha | 0.00 | 83 | 0 | N.D. | | | |
| 23) tetrahydrofuran | 0.00 | 72 | 0+ | N.D. | | | |
| 24) 1,1,1-trichloroethane | 0.00 | 97 | 0+ | N.D. | | | |
| 26) 1,2-dichloroethane | 0.00 | 62 | 0 | N.D. | | | |
| 27) 1,1-dichloropropene | 0.00 | 75 | 0 | N.D. | | | |
| 28) benzene | 3.97 | 78 | 68814 | 0.48 | ug | # | 86 |
| 29) carbon tetrachloride | 0.00 | 117 | 0 | N.D. | | | |
| 30) trichloroethene (TCE) | 0.00 | 130 | 0+ | N.D. | | | |
| 31) 1,2-dichloropropane | 0.00 | 63 | 0 | N.D. | | | |
| 32) dibromomethane | 0.00 | 174 | 0 | N.D. | | | |
| 33) bromodichloromethane | 0.00 | 83 | 0 | N.D. | | | |
| 34) cis 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | | | |
| 35) [MIBK] 4-methyl-2-pentanon | 0.00 | 58 | 0 | N.D. | | | |
| 37) toluene | 7.49 | 92 | 160534 | 1.81 | ug | | 96 |
| 38) trans 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | | | |
| 39) 1,1,2-trichloroethane | 0.00 | 83 | 0 | N.D. | | | |
| 40) 1,3-dichloropropane | 0.00 | 76 | 0 | N.D. | | | |
| 41) chloromethyl methine | 0.00 | 124 | 0 | N.D. | | | |
| 42) tert-butyl isobutylene (PERC) | 0.00 | 166 | 0+ | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_111nov16\
 Data File : 1401014.D
 Acq On : 16 Nov 2011 16:10
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, MD, 1110111377,
 Misc : Soil, 2.98g, STTI, Basin Western Hwy 141
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 16 16:30:34 2011

Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M

Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011

QLast Update : Wed Nov 16 15:10:07 2011

Response via : Initial Calibration

Internal Standards

R.T. QIon Response Conc Units Dev(Min)

| | | | | | | |
|---------------------------------|-------|-----|--------|---------|---|----|
| 43) 1,2-dibromoethane | 0.00 | 107 | 0 | N.D. | | |
| 44) chlorobenzene | 10.55 | 112 | 15200 | 0.16 ug | # | 1 |
| 45) 1,1,1,2-tetrachloroethane | 0.00 | 131 | 0 | N.D. | | |
| 46) ethylbenzene | 11.26 | 91 | 56110 | 0.33 ug | # | 91 |
| 47) m/p xylene | 11.84 | 91 | 134861 | 1.01 ug | # | 94 |
| 48) styrene | 0.00 | 104 | 0 | N.D. | | |
| 49) o-xylene | 12.79 | 91 | 104005 | 0.78 ug | # | 89 |
| 51) bromoform (tribromomethane) | 0.00 | 173 | 0 | N.D. | | |
| 52) 1,1,2,2-tetrachloroethane | 0.00 | 83 | 0 | N.D. | | |
| 53) isopropylbenzene | 13.87 | 105 | 15635 | 0.10 ug | # | 47 |
| 54) 1,2,3-trichloropropane | 0.00 | 75 | 0 | N.D. | | |
| 56) bromobenzene | 0.00 | 156 | 0 | N.D. | | |
| 57) 2-chlorotoluene | 0.00 | 126 | 0 | N.D. | | |
| 58) n-propylbenzene | 0.00 | 120 | 0 | N.D. | | |
| 59) 4-chlorotoluene | 0.00 | 126 | 0 | N.D. | | |
| 60) 1,3,5-trimethylbenzene | 15.34 | 105 | 83036 | 0.62 ug | | 97 |
| 61) tert-butylbenzene | 15.60 | 119 | 11596 | 0.10 ug | # | 70 |
| 62) 1,2,4-trimethylbenzene | 15.78 | 105 | 155801 | 1.18 ug | | 92 |
| 63) 1,2-dibromo-3-chloropropan | 0.00 | 157 | 0+ | N.D. | | |
| 65) 1,3-dichlorobenzene | 15.82 | 146 | 18277 | 0.28 ug | # | 70 |
| 66) p-isopropyltoluene | 16.11 | 119 | 146975 | 1.10 ug | | 94 |
| 67) sec-butylbenzene | 15.85 | 105 | 24735 | 0.15 ug | # | 1 |
| 68) 1,4-dichlorobenzene | 15.90 | 146 | 33324 | 0.50 ug | # | 7 |
| 69) 1,2-dichlorobenzene | 16.24 | 146 | 21672 | 0.36 ug | # | 71 |
| 70) n-butylbenzene | 16.50 | 91 | 40338 | 0.30 ug | # | 62 |
| 71) 1,2,4-trichlorobenzene | 17.75 | 180 | 29118 | 0.67 ug | # | 55 |
| 72) hexachlorobutadiene | 17.98 | 225 | 15379 | 0.51 ug | # | 45 |
| 73) naphtylene | 17.90 | 128 | 252417 | 3.11 ug | # | 94 |
| 74) 1,2,3-trichlorobenzene | 18.02 | 180 | 39243 | 1.01 ug | # | 49 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

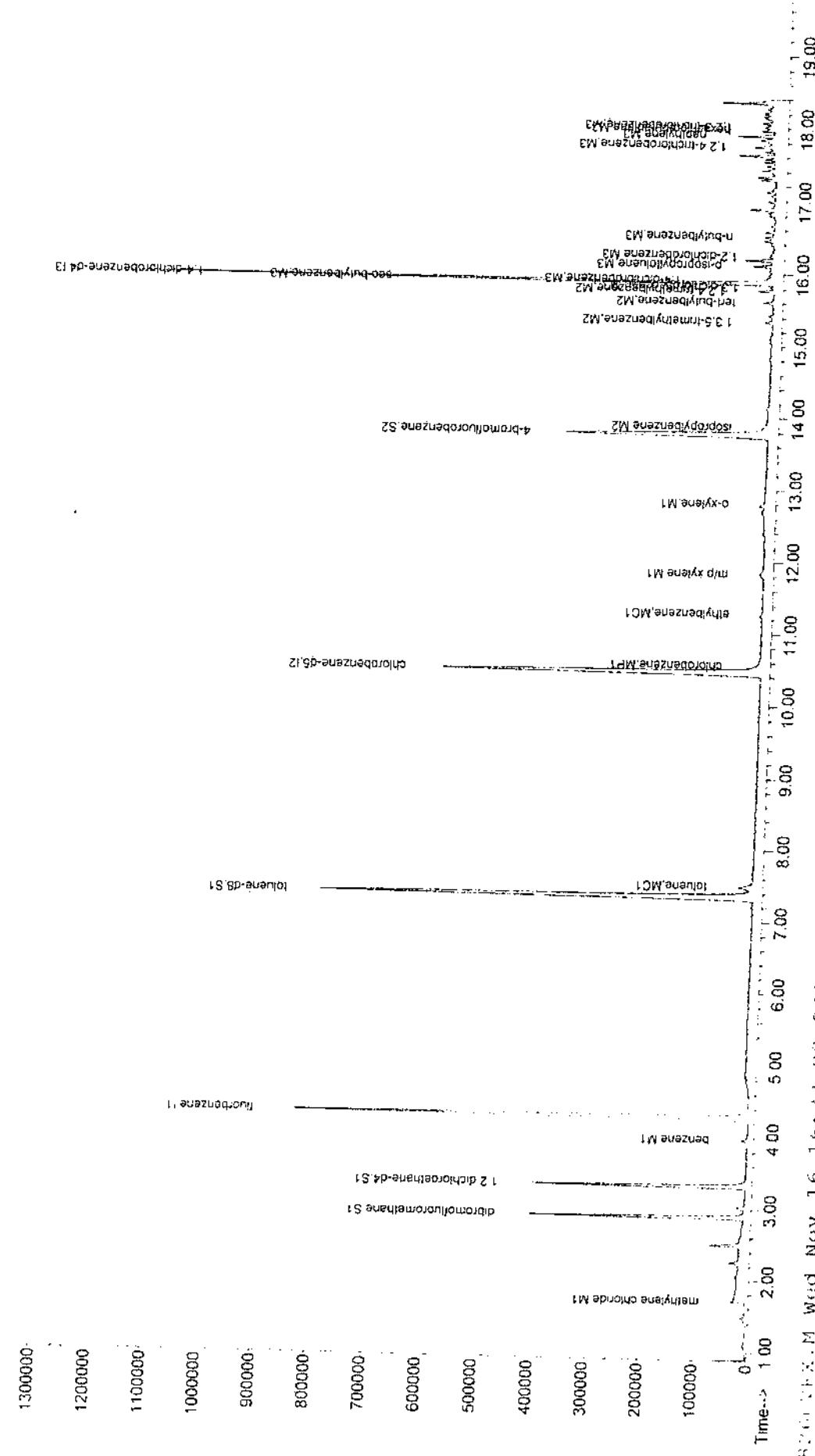
Quantitation Report (QT Reviewed)

Last Path : C:\M\collection\DATA\111Inovig
Last File : 1401014.D
Run : 16 Nov 2011 : 16:10
Owner : KEY
Sample : G-Tot, 14, 11-1380, MD, 1110111377,
Type : Soil, d:6401, STPI, Basin Western Hwy 141
Adj. Vol. : 14 Sample Multiplier: 1

Time: Nov 16 16:39:34 2011
Method : C:\M\collection\DATA\111Inovig.M
Create Title : AVRXX324.0.9973.8260 - Method 524.2 List - Purgeable Wed Nov 16 15:10:07 2011
Last Update : Wed Nov 16 15:10:07 2011
For prints via : Initial calibration

Abundance

TIC: 1401014.D



Spike Recovery and RPD Summary Report - SOIL

Method Path : C:\MSDCHEM\1\5973N\

Method File : 48260VRX.M

Title : 4VRX8260 5973_8260 ~ Method 524.2 List - Purgable Wed Nov 16 15:10:07 2011

Last Update : Wed Nov 16 15:10:07 2011

Response Via : Initial Calibration

Datafile Path: C:\MSDCHEM\1\DATA_1110111377\

-----Sample-----

File : 1401014.D

Name : G-Toe, 1', 11-1380, MD, 1110111377, Acq Time: 16 Nov 2011 16:10

-----Spike-----

File : 1501015.D

Name : G-Toe, 1', 11-1380, MS, 1110111377, Acq Time: 16 Nov 2011 16:36

--Spike Duplicate--

File : 1601016.D

Name : G-Toe, 1', 11-1380, MSD, 1110111377, Acq Time: 16 Nov 2011 17:02

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike Rec | Dup Rec | RPD : Rec | QC Limits RPD : Rec | |
|--------------------------------|-------------|-------------|-----------|---------|-----------|---------|-----------|---------------------|--------|
| dichlorodifluoromethane | 0.0 | 40 | 47 | 45 | 117 | 112 | 5 | 50 | 50-150 |
| chloromethane | 0.0 | 40 | 53 | 49 | 132 | 122 | 8 | 50 | 50-150 |
| vinyl chloride | 0.0 | 40 | 48 | 44 | 120 | 110 | 9 | 50 | 50-150 |
| acetone (2-propanone) | 0.0 | 40 | 57 | 53 | 143 | 131 | 8 | 50 | 50-150 |
| diethyl ether | 0.0 | 40 | 51 | 47 | 127 | 119 | 7 | 50 | 50-150 |
| bromomethane | 0.0 | 40 | 49 | 47 | 121 | 119 | 2 | 50 | 50-150 |
| chloroethane | 0.0 | 40 | 51 | 48 | 126 | 119 | 6 | 50 | 50-150 |
| trichlorofluoromethane | 0.0 | 40 | 48 | 45 | 121 | 113 | 6 | 50 | 50-150 |
| 1,1-dichloroethene | 0.0 | 40 | 51 | 45 | 127 | 113 | 11 | 50 | 50-150 |
| methylene chloride | 0.5 | 40 | 53 | 46 | 130 | 115 | 13 | 50 | 50-150 |
| 1,1,2-trichlorotrifluoroethane | 0.0 | 40 | 48 | 45 | 119 | 112 | 6 | 50 | 50-150 |
| allyl chloride | 0.0 | 40 | 43 | 42 | 108 | 104 | 4 | 50 | 50-150 |
| trans 1,2-dichloroethene | 0.0 | 40 | 49 | 44 | 123 | 110 | 11 | 50 | 50-150 |
| [MTBE] methyl tert-butyl ether | 0.0 | 40 | 48 | 46 | 119 | 116 | 3 | 50 | 50-150 |
| 1,1-dichloroethane | 0.0 | 40 | 47 | 43 | 118 | 107 | 10 | 50 | 50-150 |
| [MEK] 2-butanone | 0.0 | 40 | 41 | 38 | 103 | 95 | 8 | 50 | 50-150 |
| cis 1,2-dichloroethene | 0.0 | 40 | 39 | 35 | 97 | 89 | 9 | 50 | 50-150 |
| 2,2-dichloropropane | 0.0 | 40 | 37 | 33 | 91 | 84 | 9 | 50 | 50-150 |
| bromochloromethane | 0.0 | 40 | 39 | 41 | 98 | 102 | 4 | 50 | 50-150 |
| chloroform (trichloromethane) | 0.0 | 40 | 41 | 40 | 102 | 101 | 1 | 50 | 50-150 |
| tetrahydrofuran | 0.0 | 40 | 47 | 47 | 117 | 118 | 1 | 50 | 50-150 |
| 1,1,1-trichloroethane | 0.0 | 40 | 38 | 36 | 95 | 90 | 5 | 50 | 50-150 |
| 1,2-dichloroethane | 0.0 | 40 | 46 | 43 | 116 | 108 | 7 | 50 | 50-150 |
| 1,1-dichloropropene | 0.5 | 40 | 44 | 41 | 110 | 102 | 8 | 50 | 50-150 |
| benzene | 0.5 | 40 | 47 | 43 | 116 | 107 | 8 | 50 | 50-150 |
| carbon tetrachloride | 1.0 | 40 | 51 | 44 | 138 | 135 | 4 | 50 | 50-150 |
| trichloroethane (TCE) | 1.0 | 40 | 49 | 41 | 111 | 102 | 5 | 50 | 50-150 |
| 1,1-trichloropropane | 1.0 | 40 | 48 | 42 | 111 | 105 | 6 | 50 | 50-150 |
| dichloromethane | 0.0 | 40 | 43 | 41 | 112 | 102 | 9 | 50 | 50-150 |
| creosolic dichlorometane | 0.0 | 40 | 36 | 34 | 90 | 84 | 7 | 50 | 50-150 |
| cis 1,3-dichloropropane | 0.0 | 40 | 34 | 31 | 85 | 78 | 10 | 50 | 50-150 |
| (MIBK) 4-methyl-2-pentene | 0.0 | 40 | 41 | 38 | 102 | 96 | 7 | 50 | 50-150 |
| toluene | 1.8 | 40 | 47 | 44 | 113 | 105 | 7 | 50 | 50-150 |
| trans 1,3-dichloropropene | 0.0 | 40 | 30 | 26 | 74 | 64 | 14 | 50 | 50-150 |
| 1,1,2-trichloroethane | 0.0 | 40 | 46 | 43 | 115 | 108 | 6 | 50 | 50-150 |
| 1,3-dichloropropene | 3.0 | 40 | 47 | 42 | 119 | 106 | 12 | 50 | 50-150 |
| 1,1,1-trichloroethane | 0.0 | 40 | 33 | 31 | 91 | 76 | 3 | 50 | 50-150 |
| trichloroethane | 0.0 | 40 | 44 | 41 | 104 | 102 | 2 | 50 | 50-150 |
| 1,1,1-trichloroethane | 0.0 | 40 | 47 | 41 | 105 | 102 | 2 | 50 | 50-150 |
| 1,1,1-trichloroethane | 0.0 | 40 | 44 | 41 | 113 | 104 | 4 | 50 | 50-150 |
| 1,1,1-trichloroethane | 0.0 | 40 | 44 | 41 | 108 | 100 | 8 | 50 | 50-150 |

| | | | | | | | | | |
|-----------------------------|-----|----|----|----|-----|-----|----|----|--------|
| m/p xylene | 1.0 | 80 | 86 | 80 | 106 | 99 | 7 | 50 | 50-150 |
| styrene | 0.0 | 40 | 40 | 37 | 101 | 93 | 9 | 50 | 50-150 |
| α -xylene | 0.8 | 40 | 44 | 42 | 109 | 102 | 7 | 50 | 50-150 |
| bromoform (tribromomethyl) | 0.0 | 40 | 30 | 28 | 75 | 71 | 6 | 50 | 50-150 |
| 1,1,2,2-tetrachloroethane | 0.0 | 40 | 47 | 42 | 117 | 105 | 11 | 50 | 50-150 |
| isopropylbenzene | 0.1 | 40 | 44 | 40 | 110 | 100 | 9 | 50 | 50-150 |
| 1,2,3-trichloropropane | 0.0 | 40 | 46 | 42 | 116 | 105 | 10 | 50 | 50-150 |
| bromobenzene | 0.0 | 40 | 43 | 39 | 108 | 97 | 11 | 50 | 50-150 |
| 2-chlorotoluene | 0.0 | 40 | 44 | 41 | 110 | 101 | 8 | 50 | 50-150 |
| n-propylbenzene | 0.0 | 40 | 43 | 40 | 108 | 99 | 3 | 50 | 50-150 |
| 4-chlorotoluene | 0.0 | 40 | 42 | 39 | 106 | 98 | 8 | 50 | 50-150 |
| 1,3,5-trimethylbenzene | 0.6 | 40 | 44 | 40 | 108 | 99 | 9 | 50 | 50-150 |
| tert-butylbenzene | 0.1 | 40 | 44 | 40 | 109 | 100 | 8 | 50 | 50-150 |
| 1,2,4-trimethylbenzene | 1.2 | 40 | 42 | 38 | 101 | 93 | 8 | 50 | 50-150 |
| 1,4-dibromo-3-chloro | 0.0 | 40 | 32 | 27 | 80 | 68 | 16 | 50 | 50-150 |
| 1,3-dibromo-2-methylbenzene | 0.3 | 40 | 44 | 41 | 110 | 103 | 7 | 50 | 50-150 |
| α -isopropyltoluene | 1.1 | 40 | 46 | 43 | 112 | 104 | 7 | 50 | 50-150 |
| sec-butylbenzene | 0.2 | 40 | 45 | 43 | 113 | 107 | 6 | 50 | 50-150 |
| 1,4-dichlorobenzene | 0.5 | 40 | 45 | 42 | 112 | 104 | 7 | 50 | 50-150 |
| 1,2-dichlorobenzene | 0.4 | 40 | 46 | 42 | 114 | 104 | 9 | 50 | 50-150 |
| n-butylbenzene | 0.3 | 40 | 44 | 41 | 108 | 101 | 7 | 50 | 50-150 |
| 1,2,4-trichlorobenzene | 0.7 | 40 | 37 | 36 | 91 | 89 | 2 | 50 | 50-150 |
| hexachlorobutadiene | 0.5 | 40 | 34 | 33 | 84 | 81 | 4 | 50 | 50-150 |
| napthylene | 3.1 | 40 | 42 | 42 | 98 | 98 | 0 | 50 | 50-150 |
| 1,1,2-trichlorobenzene | 1.0 | 40 | 36 | 36 | 87 | 86 | 1 | 50 | 50-150 |

- Fails Limit Check

48260VRX.M Thu Nov 17 08:18:36 2011

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_111nov16\
 Data File : 1501015.D
 Acq On : 16 Nov 2011 16:36
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, MS, 1110111377,
 Misc : Soil, 3.00g, STTI, Basin Western Hwy 141
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 16 16:56:23 2011

Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M

Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011

QLast Update : Wed Nov 16 15:10:07 2011

Response via : Initial Calibration

Internal Standards

| | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) fluorbenzene | 4.29 | 96 | 9193271 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.46 | 54 | 1737347+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.87 | 152 | 3582261+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|-------|----------|----------|-----------|----|------|
| 22) dibromofluoromethane | 2.90 | 113 | 4352592+ | 61.73 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 73 - 127 | Recovery | = 88.31% | | |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 1166512 | 72.42 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 83 - 117 | Recovery | = 103.61% | | |
| 36) toluene-d8 | 7.35 | 98 | 8440120 | 69.14 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 86 - 114 | Recovery | = 98.91% | | |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 4512581+ | 65.68 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 72 - 128 | Recovery | = 93.96% | | |

Target Compounds

| | | | | Qvalue |
|--------------------------------|------|-----|----------|---------------|
| 2) dichlorodifluoromethane | 0.96 | 85 | 2839886 | 46.96 ug 99 |
| 3) chloromethane | 1.02 | 50 | 2081272 | 52.69 ug # 96 |
| 4) vinyl chloride | 1.07 | 62 | 1871849 | 48.07 ug # 93 |
| 5) acetone (2-propanone) | 1.49 | 58 | 131584 | 57.02 ug # 1 |
| 6) diethyl ether | 1.53 | 74 | 518698 | 50.67 ug # 73 |
| 7) bromomethane | 1.20 | 94 | 1333932 | 48.54 ug 99 |
| 8) chloroethane | 1.24 | 64 | 1075830 | 50.59 ug 97 |
| 9) trichlorofluoromethane | 1.43 | 101 | 3386064 | 48.29 ug 99 |
| 10) 1,1-dichloroethene | 1.64 | 96 | 1543490 | 50.77 ug 97 |
| 11) methylene chloride | 1.71 | 84 | 1464376 | 52.62 ug 97 |
| 12) 1,1,2-trichlorotrifluoroet | 1.74 | 151 | 1035536 | 47.54 ug 99 |
| 13) allyl chloride | 1.75 | 78 | 2939897+ | 43.21 ug 100 |
| 14) trans 1,2-dichloroethene | 2.05 | 96 | 1570651 | 49.16 ug 98 |
| 15) [MTBE] methyl tert-butyl e | 2.13 | 73 | 2393348 | 47.52 ug 99 |
| 16) 1,1-dichloroethane | 2.20 | 63 | 2605311 | 47.36 ug 99 |
| 17) [MEK] 2-butanone | 2.54 | 72 | 144919 | 41.28 ug # 1 |
| 18) cis 1,2-dichloroethene | 2.61 | 96 | 1605414 | 38.94 ug 96 |
| 19) 2,2-dichloropropane | 2.84 | 77 | 1391495 | 36.58 ug 93 |
| 20) bromochloromethane | 2.73 | 128 | 1512232+ | 39.18 ug 99 |
| 21) chloroform (trichlorometha | 2.79 | 83 | 2850051 | 40.92 ug 99 |
| 23) tetrahydrofuran | 3.09 | 72 | 221227+ | 46.76 ug 90 |
| 24) 1,1,1-trichloroethane | 3.50 | 97 | 3739418+ | 38.07 ug 100 |
| 26) 1,2-dichloroethane | 3.41 | 62 | 1798915 | 46.31 ug 98 |
| 27) 1,1-dichloropropene | 3.73 | 75 | 2572254 | 43.90 ug 99 |
| 28) benzene | 3.97 | 78 | 6867049 | 46.77 ug 100 |
| 29) carbon tetrachloride | 3.90 | 117 | 1948184 | 35.37 ug 98 |
| 30) trichloroethene (TCE) | 4.87 | 130 | 3823606+ | 44.33 ug 100 |
| 31) 1,2-dichloropropane | 4.78 | 63 | 1438149 | 44.58 ug 100 |
| 32) dibromomethane | 4.70 | 174 | 764801 | 44.78 ug 99 |
| 33) bromodichloromethane | 4.92 | 83 | 1503693 | 35.96 ug 96 |
| 34) cis 1,3-dichloropropene | 6.07 | 75 | 1294405 | 34.17 ug 97 |
| 35) [MIBK] 4-methyl-2-pentanon | 6.43 | 58 | 292219 | 40.78 ug 90 |
| 37) toluene | 7.48 | 92 | 4280742 | 47.03 ug 100 |
| 38) trans 1,3-dichloropropene | 6.94 | 75 | 791585 | 29.68 ug 97 |
| 39) 1,1,2-trichloroethane | 7.12 | 83 | 927945 | 45.85 ug 98 |
| 40) 1,3-dichloropropane | 7.62 | 76 | 1914471 | 47.48 ug 99 |
| 41) dibromochloromethane | 7.99 | 129 | 823441 | 32.74 ug 97 |
| 42) tetrachloroethene (PERC) | 8.95 | 166 | 3349607+ | 43.71 ug 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 1501015.D
 Acq On : 16 Nov 2011 16:36
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, MS, 1110111377,
 Misc : Soil, 3.00g, STTI, Basin Western Hwy 141
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 16 16:56:23 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011
 QLast Update : Wed Nov 16 15:10:07 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 1,2-dibromoethane | 8.46 | 107 | 991365 | 43.00 | ug | 92 |
| 44) chlorobenzene | 10.54 | 112 | 4395092 | 44.35 | ug | # 30 |
| 45) 1,1,1,2-tetrachloroethane | 10.39 | 131 | 1118577 | 37.35 | ug | # 99 |
| 46) ethylbenzene | 11.24 | 91 | 7597526 | 43.68 | ug | 99 |
| 47) m/p xylene | 11.82 | 91 | 11704403 | 85.86 | ug | 99 |
| 48) styrene | 12.62 | 104 | 3805036 | 40.46 | ug | 99 |
| 49) o-xylene | 12.79 | 91 | 6093857 | 44.45 | ug | 99 |
| 51) bromoform (tribromomethane | 11.60 | 173 | 350678 | 30.03 | ug | # 98 |
| 52) 1,1,2,2-tetrachloroethane | 12.76 | 83 | 1217568 | 46.67 | ug | 98 |
| 53) isopropylbenzene | 13.86 | 105 | 7501736 | 43.99 | ug | # 98 |
| 54) 1,2,3-trichloropropane | 13.12 | 75 | 896432 | 46.41 | ug | 97 |
| 56) bromobenzene | 14.10 | 156 | 1672277 | 43.20 | ug | 100 |
| 57) 2-chlorotoluene | 14.80 | 126 | 1801638 | 44.11 | ug | 99 |
| 58) n-propylbenzene | 14.80 | 120 | 2023617 | 43.06 | ug | 97 |
| 59) 4-chlorotoluene | 14.95 | 126 | 1769419 | 42.37 | ug | 99 |
| 60) 1,3,5-trimethylbenzene | 15.34 | 105 | 6175968 | 43.84 | ug | 99 |
| 61) tert-butylbenzene | 15.59 | 119 | 5556453 | 43.60 | ug | 100 |
| 62) 1,2,4-trimethylbenzene | 15.77 | 105 | 5726928 | 41.51 | ug | 98 |
| 63) 1,2-dibromo-3-chloropropan | 16.69 | 157 | 239272+ | 32.17 | ug | 97 |
| 65) 1,3-dichlorobenzene | 15.81 | 146 | 3184520 | 44.19 | ug | 99 |
| 66) p-isopropyltoluene | 16.11 | 119 | 6680150 | 45.87 | ug | 99 |
| 67) sec-butylbenzene | 15.85 | 105 | 8118123 | 45.38 | ug | # 97 |
| 68) 1,4-dichlorobenzene | 15.90 | 146 | 3286290 | 45.24 | ug | 99 |
| 69) 1,2-dichlorobenzene | 16.24 | 146 | 2997701 | 45.97 | ug | 96 |
| 70) n-butylbenzene | 16.50 | 91 | 6311112 | 43.64 | ug | 100 |
| 71) 1,2,4-trichlorobenzene | 17.75 | 180 | 1749440 | 37.18 | ug | 100 |
| 72) hexachlorobutadiene | 17.98 | 225 | 1125719 | 34.21 | ug | 98 |
| 73) napthylene | 17.89 | 128 | 3727068 | 42.19 | ug | # 98 |
| 74) 1,2,3-trichlorobenzene | 18.01 | 180 | 1522841 | 35.84 | ug | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_111nov16\
 Data File : 1601016.D
 Acq On : 16 Nov 2011 17:02
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, MSD, 1110111377,
 Misc : Soil, 3.01g, STTI, Basin Western Hwy 141
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 16 17:22:14 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011
 QLast Update : Wed Nov 16 15:10:07 2011
 Response via : Initial Calibration

Internal Standards

| | R.T. | Qion | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) fluorbenzene | 4.29 | 96 | 9255779 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.47 | 54 | 1766173+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.88 | 152 | 3599366+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|-------|----------|----------|-------|---------|------|
| 22) dibromofluoromethane | 2.90 | 113 | 4815825+ | 67.84 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 73 - 127 | Recovery | = | 97.05% | |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 1163383 | 71.74 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 83 - 117 | Recovery | = | 102.63% | |
| 36) toluene-d8 | 7.35 | 98 | 8471513 | 68.93 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 86 - 114 | Recovery | = | 98.61% | |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 4588502+ | 65.69 | ug | 0.00 |
| Spiked Amount 69.900 | Range | 72 - 128 | Recovery | = | 93.98% | |

Target Compounds

| | R.T. | Qion | Response | Conc | Units | Dev (Min) | Qvalue |
|--------------------------------|------|------|----------|-------|-------|-----------|--------|
| 2) dichlorodifluoromethane | 0.96 | 85 | 2722330 | 44.72 | ug | 99 | |
| 3) chloromethane | 1.02 | 50 | 1933548 | 48.62 | ug | # | 98 |
| 4) vinyl chloride | 1.07 | 62 | 1729567 | 44.12 | ug | # | 92 |
| 5) acetone (2-propanone) | 1.48 | 58 | 122148 | 52.58 | ug | # | 88 |
| 6) diethyl ether | 1.53 | 74 | 489250 | 47.47 | ug | 97 | |
| 7) bromomethane | 1.20 | 94 | 1312364 | 47.43 | ug | 96 | |
| 8) chloroethane | 1.24 | 64 | 1022446 | 47.75 | ug | 99 | |
| 9) trichlorofluoromethane | 1.43 | 101 | 3201508 | 45.35 | ug | 100 | |
| 10) 1,1-dichloroethene | 1.64 | 96 | 1385344 | 45.26 | ug | 99 | |
| 11) methylene chloride | 1.71 | 84 | 1302229 | 46.48 | ug | 99 | |
| 12) 1,1,2-trichlorotrifluoroet | 1.74 | 151 | 978210 | 44.60 | ug | 97 | |
| 13) allyl chloride | 1.75 | 78 | 2843017+ | 41.50 | ug | 100 | |
| 14) trans 1,2-dichloroethene | 2.05 | 96 | 1415624 | 44.01 | ug | 99 | |
| 15) [MTBE] methyl tert-butyl e | 2.13 | 73 | 2347258 | 46.29 | ug | 100 | |
| 16) 1,1-dichloroethane | 2.20 | 63 | 2379441 | 42.96 | ug | 100 | |
| 17) [MEK] 2-butanone | 2.54 | 72 | 134074 | 37.93 | ug | # | 98 |
| 18) cis 1,2-dichloroethene | 2.61 | 96 | 1470490 | 35.43 | ug | 1 | 96 |
| 19) 2,2-dichloropropane | 2.84 | 77 | 1281519 | 33.46 | ug | 96 | |
| 20) bromochloromethane | 2.73 | 128 | 1578601+ | 40.62 | ug | 94 | |
| 21) chloroform (trichlorometha | 2.79 | 83 | 2833719 | 40.41 | ug | 100 | |
| 23) tetrahydrofuran | 3.04 | 72 | 225223+ | 47.28 | ug | 96 | |
| 24) 1,1,1-trichloroethane | 3.50 | 97 | 3566997+ | 36.07 | ug | 100 | |
| 26) 1,1-dichloroethane | 3.41 | 92 | 1685861 | 43.11 | ug | 99 | |
| 27) 1,1-dichloropropene | 3.74 | 75 | 2399184 | 40.68 | ug | 100 | |
| 28) benzene | 3.97 | 78 | 6411477 | 43.37 | ug | 99 | |
| 29) carbon tetrachloride | 3.90 | 117 | 1893534 | 34.15 | ug | 98 | |
| 30) trichloroethene (TCE) | 4.87 | 130 | 3537673+ | 40.74 | ug | 100 | |
| 31) 1,2-dichloropropane | 4.79 | 63 | 1363437 | 41.98 | ug | 98 | |
| 32) dibromomethane | 4.71 | 174 | 702678 | 40.87 | ug | 99 | |
| 33) bromodichloromethane | 4.92 | 83 | 1410640 | 33.50 | ug | 97 | |
| 34) cis 1,3-dichloropropene | 6.07 | 75 | 1182414 | 31.01 | ug | 99 | |
| 35) [MIBK] 4-methyl-2-pentanon | 6.43 | 58 | 275638 | 38.21 | ug | # | 96 |
| 37) toluene | 7.49 | 92 | 4029689 | 43.97 | ug | 100 | |
| 38) trans 1,3-dichloropropene | 6.94 | 75 | 690869 | 25.73 | ug | 97 | |
| 39) 1,1,2-trichloroethane | 7.12 | 93 | 882720 | 43.42 | ug | 96 | |
| 40) 1,3-dichloropropane | 7.62 | 76 | 1717014 | 42.30 | ug | 94 | |
| 41) dibromo-chloromethane | 7.63 | 129 | 166104 | 40.25 | ug | 94 | |
| 42) tetrachloroethene (PCE) | 8.31 | 166 | 3158069+ | 40.68 | ug | 93 | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 1601016.D
 Acq On : 16 Nov 2011 17:02
 Operator : KEY
 Sample : G-Toe, 1', 11-1380, MSD, 1110111377,
 Misc : Soil, 3.01g, STTI, Basin Western Hwy 141
 ALS Vial : 16 Sample Multiplier: 1

 Quant Time: Nov 16 17:22:14 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011
 QLast Update : Wed Nov 16 15:10:07 2011
 Response via : Initial Calibration

Internal Standards

| | R.T. | QION | Response | Conc | Units | Dev(Min) |
|--|------|------|----------|------|-------|----------|
|--|------|------|----------|------|-------|----------|

| | | | | | | |
|---------------------------------|-------|-----|----------|-------|----|-------|
| 43) 1,2-dibromoethane | 8.46 | 107 | 926669 | 39.93 | ug | 99 |
| 44) chlorobenzene | 10.54 | 112 | 4018760 | 40.28 | ug | # 28 |
| 45) 1,1,1,2-tetrachloroethane | 10.39 | 131 | 1024406 | 33.98 | ug | # 98 |
| 46) ethylbenzene | 11.24 | 91 | 7050717 | 40.26 | ug | 99 |
| 47) m/p xylene | 11.82 | 91 | 11033233 | 80.39 | ug | 99 |
| 48) styrene | 12.62 | 104 | 3510619 | 37.08 | ug | 98 |
| 49) o-xylene | 12.79 | 91 | 5742935 | 41.61 | ug | 99 |
| 51) bromoform (tribromomethane) | 11.61 | 173 | 334984 | 28.22 | ug | # 99 |
| 52) 1,1,2,2-tetrachloroethane | 12.76 | 83 | 1109968 | 41.85 | ug | 97 |
| 53) isopropylbenzene | 13.86 | 105 | 6956871 | 40.13 | ug | # 100 |
| 54) 1,2,3-trichloropropane | 13.12 | 75 | 825204 | 42.02 | ug | 98 |
| 56) bromobenzene | 14.10 | 156 | 1523112 | 38.71 | ug | 98 |
| 57) 2-chlorotoluene | 14.80 | 126 | 1682234 | 40.52 | ug | 100 |
| 58) n-propylbenzene | 14.80 | 120 | 1896444 | 39.69 | ug | 98 |
| 59) 4-chlorotoluene | 14.95 | 126 | 1667124 | 39.27 | ug | 99 |
| 60) 1,3,5-trimethylbenzene | 15.34 | 105 | 5770599 | 40.29 | ug | 100 |
| 61) tert-butylbenzene | 15.59 | 119 | 5195418 | 40.10 | ug | 100 |
| 62) 1,2,4-trimethylbenzene | 15.77 | 105 | 5380484 | 38.36 | ug | 98 |
| 63) 1,2-dibromo-3-chloropropan | 16.69 | 157 | 206330+ | 27.29 | ug | 98 |
| 65) 1,3-dichlorobenzene | 15.81 | 146 | 2988776 | 41.28 | ug | 99 |
| 66) p-isopropyltoluene | 16.11 | 119 | 6266304 | 42.82 | ug | 99 |
| 67) sec-butylbenzene | 15.85 | 105 | 7695150 | 42.81 | ug | # 98 |
| 68) 1,4-dichlorobenzene | 15.90 | 146 | 3086881 | 42.29 | ug | 99 |
| 69) 1,2-dichlorobenzene | 16.24 | 146 | 2756174 | 42.07 | ug | 99 |
| 70) n-butylbenzene | 16.50 | 91 | 5927704 | 40.79 | ug | 99 |
| 71) 1,2,4-trichlorobenzene | 17.75 | 180 | 1719548 | 36.37 | ug | 100 |
| 72) hexachlorobutadiene | 17.98 | 225 | 1090702 | 32.98 | ug | 96 |
| 73) napthylene | 17.89 | 128 | 3744707 | 42.19 | ug | # 99 |
| 74) 1,2,3-trichlorobenzene | 18.01 | 180 | 1518786 | 35.58 | ug | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

8260 Analytical Report

Client: Key Laboratories, Inc.
 Client Project Name: Quality Control Sample
 Client Project Number:
 Client Sample Number: Continuing Calibration Check
 Client Sample Location: Key Labs Quality Control
 Sampling Date:
 Sampling Time:
 Sample Matrix:
 Sampler: KEY
 Key Labs Report Prefix:

KEY LABORATORIES, INC.

2479A Riverside Parkway
 Grand Junction, CO 81505-1319
 (970) 243-5311 FAX (970) 243-6010

QC Type: CCV
 Key Lab #: II-0001
 Work Order #: 0101110001
 Date Received:
 Method: EPA SW846 5030/5035/8260
 Technician: KEY
 Data File Name: 0301003.D
 Date Analyzed: 16 Nov 2011 11:25
 Data File Path: C:\MSDCHEM\1\DATA\II-111\NOV16\
 Lab Sample Information: 5uL #450 + 1uL #453 + 1uL #459
 Lab Sample Number: 8260_40ppb, II-0001, 0101110001

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] =
 Dilution/Extraction volume [mL] =

Reported==>> x

Significant Figures = 3
 Sample vol/wt = 5
 DF = 1

| CASE | Type | Target Compound | Audit | R.T. | Regn. | Amnt. | MDL | Units | DF | Final Conc. | Report Units | RDL | Qual. | MOL | |
|------------|------|--------------------------------|-------|-------|----------|-------|-----|-------|----|-------------|--------------|-----|-------|-----|-------|
| 75-71-8 | MI | dichlorodifluoromethane | x | 0.96 | 2828687 | 46.59 | 2 | ug | 1. | 46.6 | ug/L | 2. | 480 | 40. | 116.5 |
| 74-87-3 | MP1 | chloromethane | x | 1.01 | 1800565 | 45.52 | 2 | ug | 1. | 45.5 | ug/L | 2. | 480 | 40. | 113.8 |
| 75-01-4 | MCI | viny chloride | x | 1.07 | 1686728 | 43.68 | 2 | ug | 1. | 43.7 | ug/L | 2. | 480 | 40. | 109.2 |
| 67-64-1 | MI | acetone (2-propanone) | x | 1.48 | 109146 | 46.39 | 10 | ug | 1. | 46.4 | ug/L | 10. | 480 | 40. | 116.0 |
| 60-29-7 | MI | diethyl ether | x | 1.53 | 441120 | 43.00 | 10 | ug | 1. | 43. | ug/L | 10. | 480 | 40. | 107.5 |
| 74-83-9 | MI | bromomethane | x | 1.19 | 1308018 | 43.82 | 2 | ug | 1. | 43.8 | ug/L | 2. | 480 | 40. | 109.5 |
| 75-00-3 | MI | chloroethane | x | 1.24 | 971635 | 45.54 | 2 | ug | 1. | 45.5 | ug/L | 2. | 480 | 40. | 113.8 |
| 75-69-4 | MI | trichlorofluoromethane | x | 1.43 | 3079652 | 43.99 | 1 | ug | 1. | 44. | ug/L | 1. | 480 | 40. | 110.0 |
| 75-35-4 | MCI | 1,1-dichloroethene | x | 1.64 | 1315820 | 43.41 | 1 | ug | 1. | 43.4 | ug/L | 1. | 480 | 40. | 108.5 |
| 75-09-2 | MI | methylene chloride | x | 1.71 | 1195286 | 43.12 | 1 | ug | 1. | 43.1 | ug/L | 1. | 480 | 40. | 107.8 |
| 76-13-1 | MI | 1,1,2-trichlorotrifluoroethane | x | 1.74 | 992933 | 45.05 | 1 | ug | 1. | 45. | ug/L | 1. | 480 | 40. | 112.6 |
| 107-05-1 | MI | allyl chloride | x | 1.75 | 2837001 | 41.67 | 1 | ug | 1. | 41.7 | ug/L | 1. | 480 | 40. | 104.2 |
| 156-60-5 | MI | trans 1,2-dichloroethene | x | 2.05 | 1383129 | 43.27 | 1 | ug | 1. | 43.3 | ug/L | 1. | 480 | 40. | 108.2 |
| 1634-04-4 | MI | [MTBE] methyl tert-butyl ether | x | 2.13 | 2064374 | 41.12 | 1 | ug | 1. | 41.1 | ug/L | 1. | 480 | 40. | 102.8 |
| 75-34-3 | MP1 | 1,1-dichloroethane | x | 2.19 | 3329078 | 42.29 | 1 | ug | 1. | 42.3 | ug/L | 1. | 480 | 40. | 105.7 |
| 78-93-3 | MI | [MEK] 2-butanone | x | 2.54 | 163766 | 46.51 | 10 | ug | 1. | 46.5 | ug/L | 10. | 480 | 40. | 116.3 |
| 156-59-4 | MI | cis 1,2-dichloroethene | x | 2.61 | 1714865 | 41.67 | 1 | ug | 1. | 41.7 | ug/L | 1. | 480 | 40. | 104.2 |
| 590-20-7 | MI | 2,2-dichloropropane | x | 2.84 | 1322231 | 35.24 | 1 | ug | 1. | 35.2 | ug/L | 1. | 480 | 40. | 104.2 |
| 74-97-5 | MI | bromoform (trichloromethane) | x | 2.73 | 1566488 | 40.78 | 1 | ug | 1. | 40.8 | ug/L | 1. | 480 | 40. | 88.1 |
| 67-66-3 | MCI | chloroform (trichloromethane) | x | 2.79 | 2846697 | 40.95 | 1 | ug | 1. | 41. | ug/L | 1. | 480 | 40. | 102.0 |
| 109-99-9 | MI | tetrahydrofuran | x | 3.09 | 182403 | 38.27 | 10 | ug | 1. | 38.3 | ug/L | 10. | 480 | 40. | 102.4 |
| 71-55-6 | MI | 1,1,1-trichloroethane | x | 3.50 | 3738113 | 38.14 | 1 | ug | 1. | 38.1 | ug/L | 1. | 480 | 40. | 95.7 |
| 107-06-2 | MI | 1,2-dichloroethane | x | 3.41 | 1548075 | 40.12 | 1 | ug | 1. | 40.1 | ug/L | 1. | 480 | 40. | 95.4 |
| 563-58-6 | MI | 1,1-dichloroethene | x | 3.73 | 2455584 | 41.87 | 1 | ug | 1. | 41.9 | ug/L | 1. | 480 | 40. | 100.3 |
| 71-43-2 | MI | benzene | x | 3.97 | 6324697 | 43.00 | 1 | ug | 1. | 43. | ug/L | 1. | 480 | 40. | 104.7 |
| 56-26-5 | MI | carbon tetrachloride | x | 3.90 | 2054653 | 37.46 | 1 | ug | 1. | 37.5 | ug/L | 1. | 480 | 40. | 107.5 |
| 79-01-6 | MI | trichloroethylene (TCE) | x | 4.86 | 3597864 | 41.66 | 1 | ug | 1. | 41.7 | ug/L | 1. | 480 | 40. | 93.6 |
| 78-87-3 | MCI | 1,2-dichloropropane | x | 4.78 | 1285757 | 39.94 | 1 | ug | 1. | 39.9 | ug/L | 1. | 480 | 40. | 104.2 |
| 74-95-3 | MI | dibromomethane | x | 4.70 | 670743 | 39.37 | 1 | ug | 1. | 39.4 | ug/L | 1. | 480 | 40. | 99.9 |
| 75-27-4 | MI | bromodichloromethane | x | 4.92 | 1538060 | 37.08 | 1 | ug | 1. | 37.1 | ug/L | 1. | 480 | 40. | 98.4 |
| 10061-01-5 | MI | cis 1,3-dichloropropene | x | 6.06 | 1279710 | 34.03 | 1 | ug | 1. | 34. | ug/L | 1. | 480 | 40. | 85.1 |
| 108-10-1 | MI | [MBK] 4-methyl-2-pentanone | x | 6.43 | 281081 | 39.34 | 1 | ug | 1. | 39.3 | ug/L | 1. | 480 | 40. | 98.3 |
| 108-88-3 | MCI | toluene | x | 7.48 | 3904078 | 42.85 | 2 | ug | 1. | 42.8 | ug/L | 2. | 480 | 40. | 107.1 |
| 10061-02-6 | MI | trans 1,3-dichloropropene | x | 6.94 | 768575 | 29.16 | 1 | ug | 1. | 29.2 | ug/L | 1. | 320 | 40. | 72.9 |
| 79-00-5 | MI | 1,1,2-trichloroethane | x | 7.12 | 793878 | 39.48 | 1 | ug | 1. | 39.5 | ug/L | 1. | 480 | 40. | 98.7 |
| 142-28-9 | MI | 1,3-dichloropropane | x | 7.62 | 1629384 | 30.42 | 1 | ug | 1. | 40.4 | ug/L | 1. | 480 | 40. | 101.1 |
| 124-48-1 | MI | dibromoform (trichloromethane) | x | 7.98 | 846587 | 34.15 | 1 | ug | 1. | 34.1 | ug/L | 1. | 480 | 40. | 85.4 |
| 127-18-4 | MI | tetrachloroethene (PERC) | x | 8.95 | 3212878 | 42.02 | 1 | ug | 1. | 42. | ug/L | 1. | 480 | 40. | 105.0 |
| 106-93-4 | MI | 1,2-dibromoethane | x | 8.46 | 835457 | 36.61 | 1 | ug | 1. | 36.6 | ug/L | 1. | 480 | 40. | 91.5 |
| 108-90-7 | MP1 | chlorobenzene | x | 10.53 | 4194530 | 42.31 | 1 | ug | 1. | 42.3 | ug/L | 1. | 480 | 40. | 105.8 |
| 630-20-6 | MI | 1,1,1,2-tetrachloroethane | x | 10.39 | 1082939 | 36.40 | 1 | ug | 1. | 36.4 | ug/L | 1. | 480 | 40. | 91.0 |
| 100-41-4 | MCI | ethylbenzene | x | 11.24 | 7289403 | 41.84 | 1 | ug | 1. | 41.8 | ug/L | 1. | 480 | 40. | 104.6 |
| 1 | MI | m/p xylene | x | 11.82 | 11499617 | 84.35 | 1 | ug | 1. | 84.4 | ug/L | 1. | 960 | 80. | 105.4 |
| 100-42-5 | MI | styrene | x | 12.62 | 3690330 | 39.31 | 1 | ug | 1. | 39.3 | ug/L | 1. | 480 | 40. | 98.3 |
| 95-47-6 | MI | o-xylene | x | 12.78 | 5714049 | 41.71 | 1 | ug | 1. | 41.7 | ug/L | 1. | 480 | 40. | 104.3 |
| 75-25-2 | MP2 | bromoform (tribromomethane) | x | 11.60 | 368615 | 32.11 | 2 | ug | 1. | 32.1 | ug/L | 2. | 320 | 40. | 80.3 |
| 79-34-5 | MP2 | 1,1,2,2-tetrachloroethane | x | 12.76 | 980281 | 38.13 | 1 | ug | 1. | 38.1 | ug/L | 1. | 480 | 40. | 95.3 |
| 98-82-8 | M2 | Isopropylbenzene | x | 13.86 | 7225883 | 42.26 | 1 | ug | 1. | 42.3 | ug/L | 1. | 480 | 40. | 105.6 |
| 96-18-4 | M2 | 1,2,3-trichloropropane | x | 13.12 | 729209 | 38.03 | 1 | ug | 1. | 38. | ug/L | 1. | 480 | 40. | 95.1 |
| 108-86-1 | M2 | bromobenzene | x | 14.09 | 1594946 | 41.23 | 1 | ug | 1. | 41.2 | ug/L | 1. | 480 | 40. | 103.1 |
| 95-49-8 | M2 | 2-chlorotoluene | x | 14.80 | 1768820 | 41.27 | 1 | ug | 1. | 43.3 | ug/L | 1. | 480 | 40. | 108.2 |
| 103-65-1 | M2 | n-propylbenzene | x | 14.79 | 1978380 | 42.15 | 1 | ug | 1. | 42.2 | ug/L | 1. | 480 | 40. | 105.4 |
| 106-41-4 | M2 | 4-chlorotoluene | x | 14.95 | 1713600 | 41.61 | 1 | ug | 1. | 41.6 | ug/L | 1. | 480 | 40. | 104.0 |
| 108-67-8 | M2 | 1,3,5-trimethylbenzene | x | 15.34 | 5977593 | 42.46 | 1 | ug | 1. | 42.5 | ug/L | 1. | 480 | 40. | 106.2 |

8260 Analytical Report

Client : Key Laboratories, Inc.
 Client Project Name : Quality Control Sample
 Client Project Number :
 Client Sample Number : Continuing Calibration Check
 Client Sample Location : Key Labs Quality Control
 Sampling Date :
 Sampling Time :
 Sample Matrix :
 Sampler : KEY
 Key Labs Report Prefix:

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [μL] =
 Dilution/Extraction volume [mL] =
 Reported=>>> x

KEY LABORATORIES, INC.

2479A Riverside Parkway
 Grand Junction, CO 81505-1319
 (970) 243-5311 FAX (970) 243-6010

QC Type: CCV
 Key Lab #: 11-0001
 Work Order #: 0101110001
 Date Received:
 Method : EPA SW846 5030/5035/8260
 Technician : KEY
 Data File Name: 0301003.D
 Date Analyzed : 16 Nov 2011 11:25
 Data File Path : CAMSDCHEM\DATA_111NOV16\
 Lab Sample Information : 5uL #450 + 1uL #453 + 1uL #459
 Lab Sample Number : 8260-40ppb_11-0001_0101110000,

Significant Figures = 3
 Sample vol/wt = 5

| CAS# | Type | Target Compound | Ampl. | R.T. | Resp. | Ampl. | MFL | Units | DF | Final Conc. | Report Units | RDL | Qual. | MQL | |
|----------|------|-----------------------------|-------|-------|---------|-------|-----|-------|----|-------------|--------------|-----|-------|-----|-------|
| 98-06-6 | M2 | tert-butylbenzene | x | 15.59 | 5488456 | 42.91 | 1 | ug | 1. | 42.9 | ug/L | 1. | 480 | 40. | 107.3 |
| 95-63-6 | M2 | 1,2,4-trimethylbenzene | x | 15.77 | 5902403 | 42.66 | 1 | ug | 1. | 42.7 | ug/L | 1. | 480 | 40. | 106.6 |
| 96-12-8 | M2 | 1,2-dibromo-3-chloropropane | x | 16.69 | 220876 | 30.31 | 2 | ug | 1. | 30.3 | ug/L | 2. | 320 | 40. | 75.8 |
| 541-73-1 | M3 | 1,3-dichlorobenzene | x | 15.81 | 3275582 | 42.14 | 1 | ug | 1. | 42.1 | ug/L | 1. | 480 | 40. | 105.4 |
| 99-87-6 | M3 | p-isopropyltoluene | x | 16.11 | 6663266 | 42.34 | 1 | ug | 1. | 42.2 | ug/L | 1. | 480 | 40. | 105.6 |
| 135-98-8 | M3 | sec-butylbenzene | x | 15.85 | 8373323 | 43.32 | 1 | ug | 1. | 43.2 | ug/L | 1. | 480 | 40. | 108.0 |
| 106-16-7 | M3 | 1,4-dichlorobenzene | x | 15.90 | 3349098 | 42.73 | 1 | ug | 1. | 42.7 | ug/L | 1. | 480 | 40. | 108.0 |
| 95-50-1 | M3 | 1,2-dichlorobenzene | x | 16.24 | 2909728 | 41.39 | 1 | ug | 1. | 41.4 | ug/L | 1. | 480 | 40. | 106.8 |
| 104-51-8 | M3 | n-butylbenzene | x | 16.50 | 6762531 | 43.21 | 1 | ug | 1. | 43.2 | ug/L | 1. | 480 | 40. | 103.5 |
| 120-82-1 | M3 | 1,2,4-trichlorobenzene | x | 17.75 | 2009376 | 39.70 | 2 | ug | 1. | 39.7 | ug/L | 2. | 480 | 40. | 108.0 |
| 87-68-3 | M3 | hexachlorobutadiene | x | 17.98 | 1472915 | 41.29 | 2 | ug | 1. | 41.3 | ug/L | 2. | 480 | 40. | 99.3 |
| 91-20-3 | M3 | napthylene | x | 17.89 | 3489012 | 36.90 | 2 | ug | 1. | 36.9 | ug/L | 2. | 480 | 40. | 103.2 |
| 87-61-6 | M3 | 1,2,3-trichlorobenzene | x | 18.01 | 1814375 | 39.73 | 2 | ug | 1. | 39.7 | ug/L | 2. | 480 | 40. | 99.3 |

| CAS# | Type | Internal Standard Compound | Resp. | Ampl. | CCV Area% | Units | Initial Area% | Init. Resp. | Water 1Liter Limt | Sol Limt | Spike | | | |
|------------|------|----------------------------|-------|-------|-----------|-------|---------------|-------------|-------------------|----------|----------|----------|------|------|
| 1868-53-7 | S1 | dibromofluoromethane | x | 2.89 | 4722881 | 67.13 | 100. | ug | 89.8 | 5257191 | 81 - 120 | 73 - 127 | 69.9 | 96. |
| 17060-07-0 | S1 | 1,2 dichloroethane-d4 | x | 3.33 | 1091743 | 67.96 | 100. | ug | 90.1 | 1211955 | 82 - 118 | 83 - 117 | 69.9 | 97.2 |
| 2037-26-5 | S1 | toluene-d8 | x | 7.35 | 8421064 | 68.91 | 100. | ug | 94.8 | 8880689 | 89 - 111 | 86 - 114 | 69.9 | 98.6 |
| 460-00-4 | S2 | 4-bromofluorobenzene | x | 13.77 | 4689710 | 68.21 | 100. | ug | 87.4 | 5364577 | 81 - 119 | 72 - 128 | 69.9 | 97.6 |

| CAS# | Type | Internal Standard Compound | Resp. | Ampl. | CCV Area% | Units | Initial Area% | Init. Resp. | Water 1Liter Limt | Sol Limt | Spike | | |
|-----------|------|----------------------------|-------|-------|-----------|-------|---------------|-------------|-------------------|----------|----------|----------|------|
| 462-06-6 | I1 | fluorobenzene | x | 4.29 | 9211760 | 69.90 | 100. | ug | 95.8 | 9618321 | 50 - 150 | 50 - 150 | 69.9 |
| 3114-55-4 | I2 | chlorobenzene-d5 | x | 10.46 | 1738816 | 69.90 | 100. | ug | 90.9 | 1913186 | 50 - 150 | 50 - 150 | 69.9 |
| 3855-82-1 | I3 | 1,4-dichlorobenzene-d4 | x | 15.87 | 3868310 | 69.90 | 100. | ug | 94.2 | 4107216 | 50 - 150 | 50 - 150 | 69.9 |

MDL = Method Detection Limit

PQL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 0301003.D
 Acq On : 16 Nov 2011 11:25
 Operator : KEY
 Sample : 8260 40ppb, 11-0001, 0101110000,
 Misc : 5uL #450 + 1uL #453 + 1uL #459
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 16 14:55:27 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 14:
 :23 2011
 QLast Update : Wed Nov 16 14:48:23 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) fluorbenzene | 4.29 | 96 | 9211760 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.46 | 54 | 1738816+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.87 | 152 | 3868310+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|----------------|-----|----------|----------|----|------|
| 22) dibromofluoromethane | 2.89 | 113 | 4722881+ | 67.13 | ug | 0.00 |
| Spiked Amount 69.900 | Range 81 - 120 | | Recovery | = 96.04% | | |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 1091743 | 67.96 | ug | 0.00 |
| Spiked Amount 69.900 | Range 82 - 118 | | Recovery | = 97.22% | | |
| 36) toluene-d8 | 7.35 | 98 | 8421064 | 68.91 | ug | 0.00 |
| Spiked Amount 69.900 | Range 89 - 111 | | Recovery | = 98.58% | | |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 4689710+ | 68.21 | ug | 0.00 |
| Spiked Amount 69.900 | Range 81 - 119 | | Recovery | = 97.58% | | |

Target Compounds

| | | | | | | |
|--------------------------------|------|-----|----------|-------|----|------|
| 2) dichlorodifluoromethane | 0.96 | 85 | 2828687 | 46.59 | ug | 99 |
| 3) chloromethane | 1.01 | 50 | 1800565 | 45.52 | ug | 96 |
| 4) vinyl chloride | 1.07 | 62 | 1686728 | 43.68 | ug | # 94 |
| 5) acetone (2-propanone) | 1.48 | 58 | 109146 | 46.39 | ug | # 24 |
| 6) diethyl ether | 1.53 | 74 | 441120 | 43.00 | ug | 97 |
| 7) bromomethane | 1.19 | 94 | 1208018 | 43.82 | ug | 98 |
| 8) chloroethane | 1.24 | 64 | 971635 | 45.54 | ug | 99 |
| 9) trichlorofluoromethane | 1.43 | 101 | 3079652 | 43.99 | ug | 99 |
| 10) 1,1-dichloroethene | 1.64 | 96 | 1315820 | 43.41 | ug | 97 |
| 11) methylene chloride | 1.71 | 84 | 1195286 | 43.12 | ug | 99 |
| 12) 1,1,2-trichlorotrifluoroet | 1.74 | 151 | 992933 | 45.05 | ug | 99 |
| 13) allyl chloride | 1.75 | 78 | 2837001+ | 41.67 | ug | 98 |
| 14) trans 1,2-dichloroethene | 2.05 | 96 | 1383129 | 43.27 | ug | 99 |
| 15) [MTBE] methyl tert-butyl e | 2.13 | 73 | 2064374 | 41.12 | ug | 100 |
| 16) 1,1-dichloroethane | 2.19 | 63 | 2329078 | 42.29 | ug | 99 |
| 17) [MEK] 2-butanone | 2.54 | 72 | 163766 | 46.51 | ug | # 89 |
| 18) cis 1,2-dichloroethene | 2.61 | 96 | 1714865 | 41.67 | ug | 100 |
| 19) 2,2-dichloropropane | 2.84 | 77 | 1332231 | 35.24 | ug | # 75 |
| 20) bromochloromethane | 2.73 | 128 | 1566488+ | 40.78 | ug | 99 |
| 21) chloroform (trichlorometha | 2.79 | 83 | 2846697 | 40.95 | ug | 100 |
| 23) tetrahydrofuran | 3.09 | 72 | 182403+ | 38.27 | ug | 96 |
| 24) 1,1,1-trichloroethane | 3.50 | 97 | 3738113+ | 38.14 | ug | 98 |
| 25) 1,1-dichloroethane | 3.41 | 62 | 1548075 | 40.12 | ug | 97 |
| 26) 1,1-dichloropropene | 3.73 | 75 | 2455584 | 41.87 | ug | 99 |
| 27) benzene | 3.97 | 78 | 6324697 | 43.00 | ug | 100 |
| 29) carbon tetrachloride | 3.90 | 117 | 2054653 | 37.46 | ug | 99 |
| 30) trichloroethene (TCE) | 4.86 | 130 | 3597864+ | 41.66 | ug | 98 |
| 31) 1,2-dichloropropene | 4.78 | 63 | 1285757 | 39.94 | ug | 97 |
| 32) dibromomethane | 4.70 | 174 | 670743 | 39.37 | ug | 98 |
| 33) bromodichloromethane | 4.92 | 83 | 1538060 | 37.08 | ug | 99 |
| 34) cis 1,3-dichloropropene | 6.06 | 75 | 1279710 | 34.03 | ug | 97 |
| 35) [MIBK] 4-methyl-2-pentanon | 6.43 | 58 | 281081 | 39.34 | ug | # 89 |
| 37) toluene | 7.48 | 92 | 3904078 | 42.85 | ug | 99 |
| 38) trans 1,3-dichloropropene | 6.94 | 75 | 768575 | 29.16 | ug | 99 |
| 39) 1,1,2-trichloroethane | 7.12 | 83 | 703878 | 39.48 | ug | 99 |
| 40) 1,3-dichloropropene | 7.42 | 76 | 1629384 | 40.42 | ug | 99 |
| 41) bromochloromethane | 7.93 | 124 | 846587 | 34.15 | ug | 91 |
| 42) tert:butyl ethene (PBPE) | 8.15 | 166 | 3212878+ | 42.02 | ug | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 0301003.D
 Acq On : 16 Nov 2011 11:25
 Operator : KEY
 Sample : 8260 40ppb, 11-0001, 0101110000,
 Misc : 5uL #450 + 1uL #453 + 1uL #459
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 16 14:55:27 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 14:
 :23 2011
 QLast Update : Wed Nov 16 14:48:23 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QION | Response | Conc | Units | Dev(Min) |
|---------------------------------|-------|------|----------|-------|-------|----------|
| 43) 1,2-dibromoethane | 8.46 | 107 | 835457 | 36.61 | ug | 97 |
| 44) chlorobenzene | 10.53 | 112 | 4194530 | 42.31 | ug | # 60 |
| 45) 1,1,1,2-tetrachloroethane | 10.39 | 131 | 1082939 | 36.40 | ug | # 98 |
| 46) ethylbenzene | 11.24 | 91 | 7289403 | 41.84 | ug | 99 |
| 47) m/p xylene | 11.82 | 91 | 11499617 | 84.35 | ug | 100 |
| 48) styrene | 12.62 | 104 | 3690330 | 39.31 | ug | 98 |
| 49) o-xylene | 12.78 | 91 | 5714049 | 41.71 | ug | 100 |
| 51) bromoform (tribromomethane) | 11.60 | 173 | 368615 | 32.11 | ug | # 98 |
| 52) 1,1,2,2-tetrachloroethane | 12.76 | 83 | 980281 | 38.13 | ug | 99 |
| 53) isopropylbenzene | 13.86 | 105 | 7225882 | 42.26 | ug | # 99 |
| 54) 1,2,3-trichloropropane | 13.12 | 75 | 729209 | 38.03 | ug | 98 |
| 56) bromobenzene | 14.09 | 156 | 1594946 | 41.23 | ug | 99 |
| 57) 2-chlorotoluene | 14.80 | 126 | 1768820 | 43.27 | ug | 91 |
| 58) n-propylbenzene | 14.79 | 120 | 1978380 | 42.15 | ug | 85 |
| 59) 4-chlorotoluene | 14.95 | 126 | 1733600 | 41.61 | ug | 96 |
| 60) 1,3,5-trimethylbenzene | 15.34 | 105 | 5977593 | 42.46 | ug | 99 |
| 61) tert-butylbenzene | 15.59 | 119 | 5488456 | 42.91 | ug | 99 |
| 62) 1,2,4-trimethylbenzene | 15.77 | 105 | 5902403 | 42.66 | ug | 99 |
| 63) 1,2-dibromo-3-chloropropan | 16.69 | 157 | 220876+ | 30.31 | ug | 98 |
| 65) 1,3-dichlorobenzene | 15.81 | 146 | 3275582 | 42.14 | ug | 98 |
| 66) p-isopropyltoluene | 16.11 | 119 | 6663266 | 42.24 | ug | 98 |
| 67) sec-butylbenzene | 15.85 | 105 | 8373323 | 43.22 | ug | # 89 |
| 68) 1,4-dichlorobenzene | 15.90 | 146 | 3349098 | 42.73 | ug | 99 |
| 69) 1,2-dichlorobenzene | 16.24 | 146 | 2909728 | 41.39 | ug | 99 |
| 70) n-butylbenzene | 16.50 | 91 | 6762531 | 43.21 | ug | 98 |
| 71) 1,2,4-trichlorobenzene | 17.75 | 180 | 2009376 | 39.70 | ug | 98 |
| 72) hexachlorobutadiene | 17.98 | 225 | 1472915 | 41.29 | ug | 97 |
| 73) naphthylene | 17.89 | 128 | 3489012 | 36.90 | ug | # 98 |
| 74) 1,2,3-trichlorobenzene | 18.01 | 180 | 1814375 | 39.73 | ug | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 0301003.D
 Acq On : 16 Nov 2011 11:25
 Operator : KEY
 Sample : 8260 40ppb, 11-0001, 0101110000,
 Misc : 5uL #450 + 1uL #453 + 1uL #459
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 16 14:57:06 2011

Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M

Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 14:23 2011

QLast Update : Wed Nov 16 14:48:23 2011

Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 1 I1 fluorbenzene | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 2 M1 dichlorodifluoromethane | 0.460 | 0.537 | -16.7 | 97 | 0.00 |
| 3 MP1 chloromethane | 0.300 | 0.342 | -14.0 | 95 | 0.00 |
| 4 MC1 vinyl chloride | 0.296 | 0.320 | -8.1 | 90 | 0.00 |
| 5 M1 acetone (2-propanone) | 0.018 | 0.021# | -16.7 | 110 | 0.00 |
| 6 M1 diethyl ether | 0.078 | 0.084# | -7.7 | 95 | 0.00 |
| 7 M1 bromomethane | 0.209 | 0.229 | -9.6 | 96 | 0.00 |
| 8 M1 chloroethane | 0.162 | 0.184 | -13.6 | 96 | 0.00 |
| 9 M1 trichlorofluoromethane | 0.533 | 0.584 | -9.6 | 92 | 0.00 |
| 10 MC1 1,1-dichloroethene | 0.231 | 0.250 | -8.2 | 91 | 0.00 |
| 11 M1 methylene chloride | 0.212 | 0.227 | -7.1 | 91 | 0.00 |
| 12 M1 1,1,2-trichlorotrifluoroeth | 0.166 | 0.188 | -13.3 | 103 | 0.00 |
| 13 M1 allyl chloride | 0.517 | 0.538 | -4.1 | 94 | 0.00 |
| 14 M1 trans 1,2-dichloroethene | 0.243 | 0.262 | -7.8 | 94 | 0.00 |
| 15 M1 (MTBE) methyl tert-butyl et | 0.383 | 0.392 | -2.3 | 91 | 0.00 |
| 16 MP1 1,1-dichloroethane | 0.418 | 0.442 | -5.7 | 94 | 0.00 |
| 17 M1 {MEK} 2-butanone | 0.027 | 0.031# | -14.8 | 96 | 0.00 |
| 18 M1 cis 1,2-dichloroethene | 0.313 | 0.325 | -3.8 | 92 | 0.00 |
| 19 M1 2,2-dichloropropane | 0.289 | 0.253 | 12.5 | 88 | 0.00 |
| 20 M1 bromochloromethane | 0.293 | 0.297 | -1.4 | 90 | 0.00 |
| 21 MC1 chloroform (trichloromethan | 0.530 | 0.540 | -1.9 | 92 | 0.00 |
| 22 S1 dibromofluoromethane | 0.536 | 0.513 | 4.3 | 91 | 0.00 |
| 23 M1 tetrahydrofuran | 0.036 | 0.035# | 2.8 | 100 | 0.00 |
| 24 M1 1,1,1-trichloroethane | 0.747 | 0.709 | 5.1 | 91 | 0.00 |
| 25 S1 1,2-dichloroethane-d4 | 0.122 | 0.119 | 2.5 | 91 | 0.00 |
| 26 M1 1,2-dichloroethane | 0.295 | 0.294 | 0.3 | 88 | 0.00 |
| 27 M1 1,1-dichloropropene | 0.445 | 0.466 | -4.7 | 94 | 0.00 |
| 28 M1 benzene | 1.116 | 1.200 | -7.5 | 95 | 0.00 |
| 29 M1 carbon tetrachloride | 0.419 | 0.390 | 6.9 | 90 | 0.00 |
| 30 M1 trichloroethene (TCE) | 0.656 | 0.683 | -4.1 | 94 | 0.00 |
| 31 MC1 1,2-dichloropropane | 0.245 | 0.244 | 0.4 | 92 | 0.00 |
| 32 M1 dibromomethane | 0.130 | 0.127 | 2.3 | 91 | 0.00 |
| 33 M1 bromodichloromethane | 0.318 | 0.292 | 8.2 | 87 | 0.00 |
| 34 M1 cis 1,3-dichloropropene | 0.288 | 0.243 | 15.6 | 86 | 0.00 |
| 35 M1 {MIBK} 4-methyl-2-pent anone | 0.054 | 0.053# | 1.9 | 91 | 0.00 |
| 36 S1 toluene-d8 | 0.928 | 0.914 | 1.5 | 94 | 0.00 |
| 37 MC1 toluene | 0.692 | 0.741 | -7.1 | 94 | 0.00 |
| 38 M1 trans 1,3-dichloropropene | 0.203 | 0.146 | 28.1# | 81 | 0.00 |
| 39 M1 1,1,2-trichloroethane | 0.154 | 0.151 | 1.9 | 88 | 0.00 |
| 40 M1 1,3-dichloropropene | 0.307 | 0.309 | -0.7 | 93 | 0.00 |
| 41 M1 dibromochloromethane | 0.191 | 0.161 | 15.7 | 81 | 0.00 |
| 42 M1 tetrachloroethene (PERC) | 0.583 | 0.609 | -4.5 | 92 | 0.00 |
| 43 M1 1,2-dibromoethane | 0.175 | 0.158 | 9.7 | 85 | 0.00 |
| 44 MP1 chlorobenzene | 0.753 | 0.796 | -5.7 | 94 | 0.00 |
| 45 M1 1,1,1,2-tetrachloroethane | 0.228 | 0.205 | 10.1 | 88 | 0.00 |
| 46 MC1 ethylbenzene | 1.322 | 1.383 | -4.6 | 95 | 0.00 |
| 47 M1 m/p xylene | 1.037 | 1.031 | -5.2 | 94 | 0.00 |
| 48 M1 o-xylene | 1.715 | 0.700 | 2.1 | 92 | 0.00 |
| 49 M1 -xylene | 1.042 | 1.034 | -4.0 | 93 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 0301003.D
 Acq On : 16 Nov 2011 11:25
 Operator : KEY
 Sample : 8260 40ppb, 11-0001, 0101110000,
 Misc : 5uL #450 + 1uL #453 + 1uL #459
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 16 14:57:06 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 14:
 :23 2011
 QLast Update : Wed Nov 16 14:48:23 2011
 Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area's | Dev(min) |
|------------------------------------|-------|-------|-------|--------|----------|
| 50 12 chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 51 MP4 bromoform (tribromomethane) | 0.470 | 0.370 | 21.3 | 77 | 0.00 |
| 52 MP2 1,1,2,2-tetrachloroethane | 1.050 | 0.985 | 6.2 | 81 | 0.00 |
| 53 M2 isopropylbenzene | 6.861 | 7.262 | -5.8 | 94 | 0.00 |
| 54 M2 1,2,3-trichloropropane | 0.777 | 0.733 | 5.7 | 86 | 0.00 |
| 55 S2 4-bromofluorobenzene | 2.764 | 2.697 | 2.4 | 92 | 0.00 |
| 56 M2 bromobenzene | 1.557 | 1.603 | -3.0 | 91 | 0.00 |
| 57 M2 2-chlorotoluene | 1.643 | 1.778 | -8.2 | 93 | 0.00 |
| 58 M2 n-propylbenzene | 1.891 | 1.988 | -5.1 | 91 | 0.00 |
| 59 M2 4-chlorotoluene | 1.680 | 1.742 | -3.7 | 90 | 0.00 |
| 60 M2 1,3,5-trimethylbenzene | 5.668 | 6.007 | -6.0 | 91 | 0.00 |
| 61 M2 tert-butylbenzene | 5.127 | 5.516 | -7.6 | 95 | 0.00 |
| 62 M2 1,2,4-trimethylbenzene | 5.551 | 5.932 | -6.9 | 94 | 0.00 |
| 63 M2 1,2-dibromo-3-chloropropane | 0.299 | 0.222 | 25.8# | 74 | 0.00 |
| 64 T3 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 65 M3 1,3-dichlorobenzene | 1.406 | 1.480 | -5.3 | 91 | 0.00 |
| 66 M3 p-isopropyltoluene | 2.842 | 3.010 | -5.9 | 94 | 0.00 |
| 67 M3 sec-butylbenzene | 3.490 | 3.783 | -8.4 | 94 | 0.00 |
| 68 M3 1,4-dichlorobenzene | 1.418 | 1.513 | -6.7 | 91 | 0.00 |
| 69 M3 1,2-dichlorobenzene | 1.272 | 1.314 | -3.3 | 90 | 0.00 |
| 70 M3 n-butylibenzene | 2.822 | 3.055 | -8.3 | 93 | 0.00 |
| 71 M3 1,2,4-trichlorobenzene | 0.918 | 0.908 | 1.1 | 88 | 0.00 |
| 72 M3 hexachlorobutadiene | 0.642 | 0.665 | -3.6 | 95 | 0.00 |
| 73 M3 napthylene | 1.724 | 1.576 | 8.6 | 84 | 0.00 |
| 74 M3 1,2,3-trichlorobenzene | 0.829 | 0.820 | 1.1 | 88 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

8260 Analytical Report

KEY LABORATORIES, INC.

2479A Riverside Parkway
Grand Junction, CO 81505-1319
(970) 243-5311 FAX (970) 243-6010

Client : Key Laboratories, Inc.
Client Project Name : Quality Control Sample
Client Project Number :
Client Sample Number : Method Blank
Client Sample Location : Key Labs Quality Control
Sampling Date :
Sampling Time :
Sample Matrix :
Sampler : KEY
Key Labs Report Prefix:

QC Type: Blank
Key Lab #: 11-0002
Work Order #: 0101110002
Date Received :
Method: EPA SW846 5030/5035/8260
Technician: KEY
Data File Name: 1301013.D
Date Analyzed: 16 Nov 2011 15:44
Data File Path: C:\MSDCHEM\DATA\1111\NOV16\

Loss On Heating multiplier =
MeOH Extract/Dilution Aliquot [uL] =
Dilution/Extraction volume [mL] =

Lab Sample Information : SuL #450
Lab Sample Number : Blank_11-0002_0101110002,
Significant Figures = 3
Sample vol/wt = 5

Reported=>> x

DF = 1

| CASE | Type | Target Compound | Auth. | R.T. | Reps. | Amt. | MDL | Units | DP | Final Conc. | Report Units | RDL | Qual. | MOL |
|------------|------|--------------------------------|-------|-------|-------|------|-----|-------|----|-------------|--------------|-----|-------|-----|
| 75-71-8 | M1 | dichlorodifluoromethane | x | | | | 2 | ug | 1. | < ug/L | 2. | 480 | | |
| 74-87-3 | MPI | chloromethane | x | | | | 2 | ug | 1. | < ug/L | 2. | 480 | | |
| 75-01-4 | MC1 | vinyl chloride | x | | | | 2 | ug | 1. | < ug/L | 2. | 480 | | |
| 67-64-1 | M1 | acetone (2-propanone) | x | | | | 10 | ug | 1. | < ug/L | 10. | 480 | | |
| 60-29-7 | M1 | diethyl ether | x | | | | 10 | ug | 1. | < ug/L | 10. | 480 | | |
| 74-83-9 | M1 | bromomethane | x | | | | 2 | ug | 1. | < ug/L | 2. | 480 | | |
| 75-00-3 | M1 | chloroethane | x | | | | 2 | ug | 1. | < ug/L | 2. | 480 | | |
| 75-69-4 | M1 | trichlorofluoromethane | x | | | | 1 | ug | 1. | < ug/L | 2. | 480 | | |
| 75-35-4 | MC1 | 1,1-dichloroethene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 75-09-2 | M1 | methylene chloride | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 76-13-1 | M1 | 1,1,2-trichlorotrifluoroethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 107-05-1 | M1 | allyl chloride | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 156-60-5 | M1 | trans 1,2-dichloroethene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 1634-04-4 | M1 | [MTBE] methyl tert-butyl ether | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 75-34-3 | MPI | 1,1-dichloroethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 78-93-3 | M1 | [MEK] 2-butanone | x | | | | 10 | ug | 1. | < ug/L | 10. | 480 | | |
| 156-59-4 | M1 | cis 1,2-dichloroethene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 590-20-7 | M1 | 2,2-dichloropropane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 74-97-5 | M1 | bromoform (trichloromethane) | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 67-66-3 | MC1 | chloroform (trichloromethane) | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 109-99-9 | M1 | tetrahydrofuran | x | | | | 10 | ug | 1. | < ug/L | 10. | 480 | | |
| 71-55-6 | M1 | 1,1,1-trichloroethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 107-06-2 | M1 | 1,2-dichloroethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 563-58-6 | M1 | 1,1-dichloropropene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 71-43-2 | M1 | benzene | x | 3.97 | 38891 | 0.25 | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 56-26-5 | M1 | carbon tetrachloride | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 79-01-6 | M1 | trichloroethene (TCE) | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 78-87-5 | MC1 | 1,2-dichloropropane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 74-95-3 | M1 | dibromomethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 75-27-4 | M1 | bromodichloromethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 10061-01-5 | M1 | cis 1,3-dichloropropene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 108-10-1 | M1 | [MIBK] 4-methyl-2-pentanone | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 108-88-3 | MC1 | toluene | x | 7.50 | 48077 | 0.50 | 2 | ug | 1. | < ug/L | 2. | 480 | | |
| 10061-02-6 | M1 | trans 1,3-dichloropropene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 79-00-5 | M1 | 1,1,2-trichloroethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 320 | | |
| 142-28-9 | M1 | 1,3-dichloropropane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 124-48-1 | M1 | dibromochloromethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 127-18-4 | M1 | tetrachloroethene (PERC) | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 106-93-4 | M1 | 1,2-dibromoethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 108-90-7 | MPI | chlorobenzene | x | 10.54 | 21113 | 0.20 | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 630-20-6 | M1 | 1,1,1,2-tetrachloroethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 100-41-4 | MC1 | ethylbenzene | x | 11.27 | 43557 | 0.24 | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| I | M1 | m/p xylene | x | 11.84 | 78596 | 0.54 | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 100-42-5 | M1 | styrene | x | 12.65 | 11313 | 0.11 | 1 | ug | 1. | < ug/L | 1. | 960 | | |
| 95-47-6 | M1 | p-xylene | x | 12.79 | 43070 | 0.30 | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 75-25-2 | MP2 | bromoform (tribromomethane) | x | | | | 2 | ug | 1. | < ug/L | 2. | 480 | | |
| 79-34-5 | MP2 | 1,1,2,2-tetrachloroethane | x | | | | 1 | ug | 1. | < ug/L | 1. | 320 | | |
| 98-82-8 | M2 | isopropylbenzene | x | 13.87 | 15128 | 0.08 | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 96-18-4 | M2 | 1,2,3-trichloropropane | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 108-86-1 | M2 | bromobenzene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 95-49-8 | M2 | 2-chlorotoluene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 103-65-1 | M2 | n-propylbenzene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 106-43-4 | M2 | 4-chlorotoluene | x | | | | 1 | ug | 1. | < ug/L | 1. | 480 | | |
| 108-67-8 | M2 | 1,3,5-trimethylbenzene | x | 15.34 | 43851 | 0.30 | 1 | ug | 1. | < ug/L | 1. | 480 | | |

8260 Analytical Report

Client : Key Laboratories, Inc.
 Client Project Name : Quality Control Sample
 Client Project Number :
 Client Sample Number : Method Blank
 Client Sample Location : Key Labs Quality Control
 Sampling Date :
 Sampling Time :
 Sample Matrix :
 Sampler : KEY
 Key Labs Report Prefix:

Less On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] =
 Dilution/Extraction volume [mL] =

Reported=>> x

KEY LABORATORIES, INC.
 2479A Riverside Parkway
 Grand Junction, CO 81505-1319
 (970) 243-5311 FAX (970) 243-6010

QC Type: Blank
 Key Lab #: 11-0002
 Work Order #: 0101110002
 Date Received :
 Method : EPA SW846 5030/5035/8260
 Technician : KEY
 Data File Name: I301013.D
 Date Analyzed: 16 Nov 2011 15:44
 Data File Path: C:\MSDCHEM\DATA_111NOV16\
 Lab Sample Information: SuL #450
 Lab Sample Number: Blank_11-0002_0101110000,
 Significant Figures = 3
 Sample vol/wt = 5

| CAS# | Type | Target Compound | Rep# | RT | Resp. | Amt. | MDL | Units | DF | Qual. | Report Units | RDL | Qual. | MQL |
|----------|------|-----------------------------|------|-------|--------|------|-----|-------|----|-------|--------------|-----|-------|-----|
| 98-06-6 | M3 | tert-butylbenzene | x | 15.59 | 19521 | 0.15 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 95-63-6 | M2 | 1,2,4-trimethylbenzene | x | 15.78 | 46273 | 0.32 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 96-12-8 | M2 | 1,2-dibromo-3-chloropropane | x | | | | 2 | ug | 1. | < | ug/L | 2. | 320 | |
| 541-73-1 | M3 | 1,3-dichlorobenzene | x | 15.82 | 28052 | 0.34 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 99-87-6 | M3 | p-isopropyltoluene | x | 16.11 | 21591 | 0.13 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 135-98-8 | M3 | sec-butylbenzene | x | 15.85 | 38970 | 0.19 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 106-46-7 | M3 | 1,4-dichlorobenzene | x | 15.90 | 50377 | 0.61 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 95-50-1 | M3 | 1,2-dichlorobenzene | x | 16.25 | 25219 | 0.34 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 104-51-8 | M3 | n-butylbenzene | x | 16.50 | 31852 | 0.19 | 1 | ug | 1. | < | ug/L | 1. | 480 | |
| 120-82-1 | M3 | 1,2,4-trichlorobenzene | x | 17.75 | 36209 | 0.68 | 2 | ug | 1. | < | ug/L | 1. | 480 | |
| 87-68-3 | M3 | hexachlorobutadiene | x | 17.98 | 14469 | 0.39 | 3 | ug | 1. | < | ug/L | 2. | 480 | |
| 91-20-3 | M3 | naphthalene | x | 17.90 | 150051 | 1.50 | 3 | ug | 1. | < | ug/L | 2. | 480 | |
| 87-61-6 | M3 | 1,2,3-trichlorobenzene | x | 18.02 | 58470 | 1.22 | 2 | ug | 1. | < | ug/L | 2. | 480 | |

| CAS# | Type | Internal Standard Compound | Rep# | Amt. | CCV Area% | Value | Initial Area% | Init. Resp. | Water Limit | Limits | Solid Limit | Spike | |
|------------|------|----------------------------|------|-------|-----------|-------|---------------|-------------|-------------|---------|-------------|----------|------------|
| 1868-53-7 | S1 | dibromofluoromethane | x | 2.90 | 4142112 | 55.40 | 87.7 | ug | 78.8 | 5257191 | 81 - 120 | 73 - 127 | 69.9 79.3 |
| 17060-07-0 | S1 | 1,2 dichlorethane-d4 | x | 3.33 | 1305579 | 70.59 | 110.4 | ug | 99.5 | 1211955 | 82 - 118 | 83 - 117 | 69.9 101. |
| 2037-26-5 | S1 | toluene-d8 | x | 7.35 | 9079913 | 70.15 | 107.8 | ug | 102.2 | 8880689 | 89 - 111 | 86 - 114 | 69.9 100.4 |
| 460-00-4 | S2 | 4-bromofluorobenzene | x | 13.77 | 4885889 | 67.56 | 104.2 | ug | 91.1 | 5364577 | 81 - 119 | 72 - 128 | 69.9 96.7 |

| CAS# | Type | Internal Standard Compound | Rep# | Amt. | CCV Area% | Units | Initial Area% | Init. Resp. | Water Limit | Limits | Solid Limit | Spike | |
|-----------|------|----------------------------|------|-------|-----------|-------|---------------|-------------|-------------|---------|-------------|----------|------|
| 462-06-6 | I1 | fluorobenzene | x | 4.39 | 9747793 | 69.90 | 105.8 | ug | 101.3 | 9618321 | 50 - 150 | 50 - 150 | 69.9 |
| 3114-55-4 | I2 | chlorobenzene-d5 | x | 10.46 | 1828528 | 69.90 | 105.2 | ug | 95.6 | 1913186 | 50 - 150 | 50 - 150 | 69.9 |
| 3855-82-1 | I3 | 1,4-dichlorobenzene-d4 | x | 15.88 | 4054703 | 69.90 | 104.8 | ug | 98.7 | 4107216 | 50 - 150 | 50 - 150 | 69.9 |

MDL = Method Detection Limit

PQL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 1301013.D
 Acq On : 16 Nov 2011 15:44
 Operator : KEY
 Sample : Blank, 11-0002, 0101110000,
 Misc : 5uL #450
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 16 16:04:41 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011
 QLast Update : Wed Nov 16 15:10:07 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) fluorbenzene | 4.29 | 96 | 9747793 | 69.90 | ug | 0.00 |
| 50) chlorobenzene-d5 | 10.46 | 54 | 1828528+ | 69.90 | ug | 0.00 |
| 64) 1,4-dichlorobenzene-d4 | 15.88 | 152 | 4054703+ | 69.90 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|--------|-------|----------|----------|----|---------|
| 22) dibromofluoromethane | 2.90 | 113 | 4142112+ | 55.40 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 81 - 120 | Recovery | = | 79.26%* |
| 25) 1,2 dichloroethane-d4 | 3.33 | 67 | 1205579 | 70.59 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 82 - 118 | Recovery | = | 100.99% |
| 36) toluene-d8 | 7.35 | 98 | 9079913 | 70.15 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 89 - 111 | Recovery | = | 100.36% |
| 55) 4-bromofluorobenzene | 13.77 | 174 | 4885889+ | 67.56 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 81 - 119 | Recovery | = | 96.65* |

Target Compounds

| | | | | Qvalue | |
|--------------------------------|------|-----|-------|--------------|----|
| 2) dichlorodifluoromethane | 0.00 | 85 | 0 | N.D. | |
| 3) chloromethane | 0.00 | 50 | 0 | N.D. | |
| 4) vinyl chloride | 0.00 | 62 | 0 | N.D. | |
| 5) acetone (2-propanone) | 0.00 | 58 | 0 | N.D. | |
| 6) diethyl ether | 0.00 | 74 | 0 | N.D. | |
| 7) bromomethane | 0.00 | 94 | 0 | N.D. | |
| 8) chloroethane | 0.00 | 64 | 0 | N.D. | |
| 9) trichlorofluoromethane | 0.00 | 101 | 0 | N.D. | |
| 10) 1,1-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 11) methylene chloride | 0.00 | 84 | 0 | N.D. | |
| 12) 1,1,2-trichlorotrifluoroet | 0.00 | 151 | 0 | N.D. | |
| 13) allyl chloride | 0.00 | 78 | 0+ | N.D. | |
| 14) trans 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 15) [MTBE] methyl tert-butyl e | 0.00 | 73 | 0 | N.D. | |
| 16) 1,1-dichloroethane | 0.00 | 63 | 0 | N.D. | |
| 17) [MEK] 2-butanone | 0.00 | 72 | 0 | N.D. | |
| 18) cis 1,2-dichloroethene | 0.00 | 96 | 0 | N.D. | |
| 19) 2,2-dichloropropane | 0.00 | 77 | 0 | N.D. | |
| 20) bromochloromethane | 0.00 | 128 | 0+ | N.D. | |
| 21) chloroform (trichlorometha | 0.00 | 83 | 0 | N.D. | |
| 23) tetrahydrofuran | 0.00 | 72 | 0+ | N.D. | |
| 24) 1,1,1-trichloroethane | 0.00 | 97 | 0+ | N.D. | |
| 26) 1,2-dichloroethane | 0.00 | 62 | 0 | N.D. | |
| 27) 1,1-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 28) benzene | 3.97 | 78 | 38891 | 0.25 ug # 53 | |
| 29) carbon tetrachloride | 0.00 | 117 | 0 | N.D. | |
| 30) trichloroethene (TCE) | 0.00 | 130 | 0+ | N.D. | |
| 31) 1,2-dichloropropane | 0.00 | 63 | 0 | N.D. | |
| 32) dibromomethane | 0.00 | 174 | 0 | N.D. | |
| 33) bromodichloromethane | 0.00 | 83 | 0 | N.D. | |
| 34) cis 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 35) [MIBK] 4-methyl-2-pentanon | 0.00 | 58 | 0 | N.D. | |
| 37) toluene | 7.50 | 92 | 48077 | 0.50 ug | 94 |
| 38) trans 1,3-dichloropropene | 0.00 | 75 | 0 | N.D. | |
| 39) 1,1,2-trichloroethane | 0.00 | 83 | 0 | N.D. | |
| 40) 1,3-dichloropropane | 0.00 | 76 | 0 | N.D. | |
| 41) 1-bromo-1-chloroethane | 0.00 | 129 | 0 | N.D. | |
| 42) tetrachloroethene (PERC) | 7.00 | 166 | 0+ | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov16\
 Data File : 1301013.D
 Acq On : 16 Nov 2011 15:44
 Operator : KEY
 Sample : Blank, 11-0002, 0101110000,
 Misc : 5uL #450
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 16 16:04:41 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973_8260 - Method 524.2 List - Purgable Wed Nov 16 15:
 :07 2011
 QLast Update : Wed Nov 16 15:10:07 2011
 Response via : Initial Calibration

Internal Standards

| | | R.T. | QION | Response | Conc | Units | Dev(Min) |
|-----|-----------------------------|-------|------|----------|------|-------|----------|
| 43) | 1,2-dibromoethane | 0.00 | 107 | 0 | N.D. | | |
| 44) | chlorobenzene | 10.54 | 112 | 21113 | 0.20 | ug | # 1 |
| 45) | 1,1,1,2-tetrachloroethane | 0.00 | 131 | 0 | N.D. | | |
| 46) | ethylbenzene | 11.27 | 91 | 43557 | 0.24 | ug | # 54 |
| 47) | m/p xylene | 11.84 | 91 | 78596 | 0.54 | ug | # 91 |
| 48) | styrene | 12.65 | 104 | 11313 | 0.11 | ug | # 36 |
| 49) | o-xylene | 12.79 | 91 | 43070 | 0.30 | ug | # 75 |
| 51) | bromoform (tribromomethane) | 0.00 | 173 | 0 | N.D. | | |
| 52) | 1,1,2,2-tetrachloroethane | 0.00 | 83 | 0 | N.D. | | |
| 53) | isopropylbenzene | 13.87 | 105 | 15128 | 0.08 | ug | # 47 |
| 54) | 1,2,3-trichloropropane | 0.00 | 75 | 0 | N.D. | | |
| 56) | bromobenzene | 0.00 | 156 | 0 | N.D. | | |
| 57) | 2-chlorotoluene | 0.00 | 126 | 0 | N.D. | | |
| 58) | n-propylbenzene | 0.00 | 120 | 0 | N.D. | | |
| 59) | 4-chlorotoluene | 0.00 | 126 | 0 | N.D. | | |
| 60) | 1,3,5-trimethylbenzene | 15.34 | 105 | 43851 | 0.30 | ug | 87 |
| 61) | tert-butylbenzene | 15.59 | 119 | 19521 | 0.15 | ug | # 62 |
| 62) | 1,2,4-trimethylbenzene | 15.78 | 105 | 46273 | 0.32 | ug | 95 |
| 63) | 1,2-dibromo-3-chloropropan | 0.00 | 157 | 0+ | N.D. | | |
| 65) | 1,3-dichlorobenzene | 15.82 | 146 | 28052 | 0.34 | ug | # 87 |
| 66) | p-isopropyltoluene | 16.11 | 119 | 21591 | 0.13 | ug | # 50 |
| 67) | sec-butylbenzene | 15.85 | 105 | 38970 | 0.19 | ug | # 1 |
| 68) | 1,4-dichlorobenzene | 15.90 | 146 | 50377 | 0.61 | ug | # 42 |
| 69) | 1,2-dichlorobenzene | 16.25 | 146 | 25219 | 0.34 | ug | 91 |
| 70) | n-butylbenzene | 16.50 | 91 | 31852 | 0.19 | ug | # 87 |
| 71) | 1,2,4-trichlorobenzene | 17.75 | 180 | 36209 | 0.68 | ug | # 59 |
| 72) | hexachlorobutadiene | 17.98 | 225 | 14469 | 0.39 | ug | # 32 |
| 73) | naphthylene | 17.90 | 128 | 150051 | 1.50 | ug | # 93 |
| 74) | 1,2,3-trichlorobenzene | 18.02 | 180 | 58470 | 1.22 | ug | 94 |

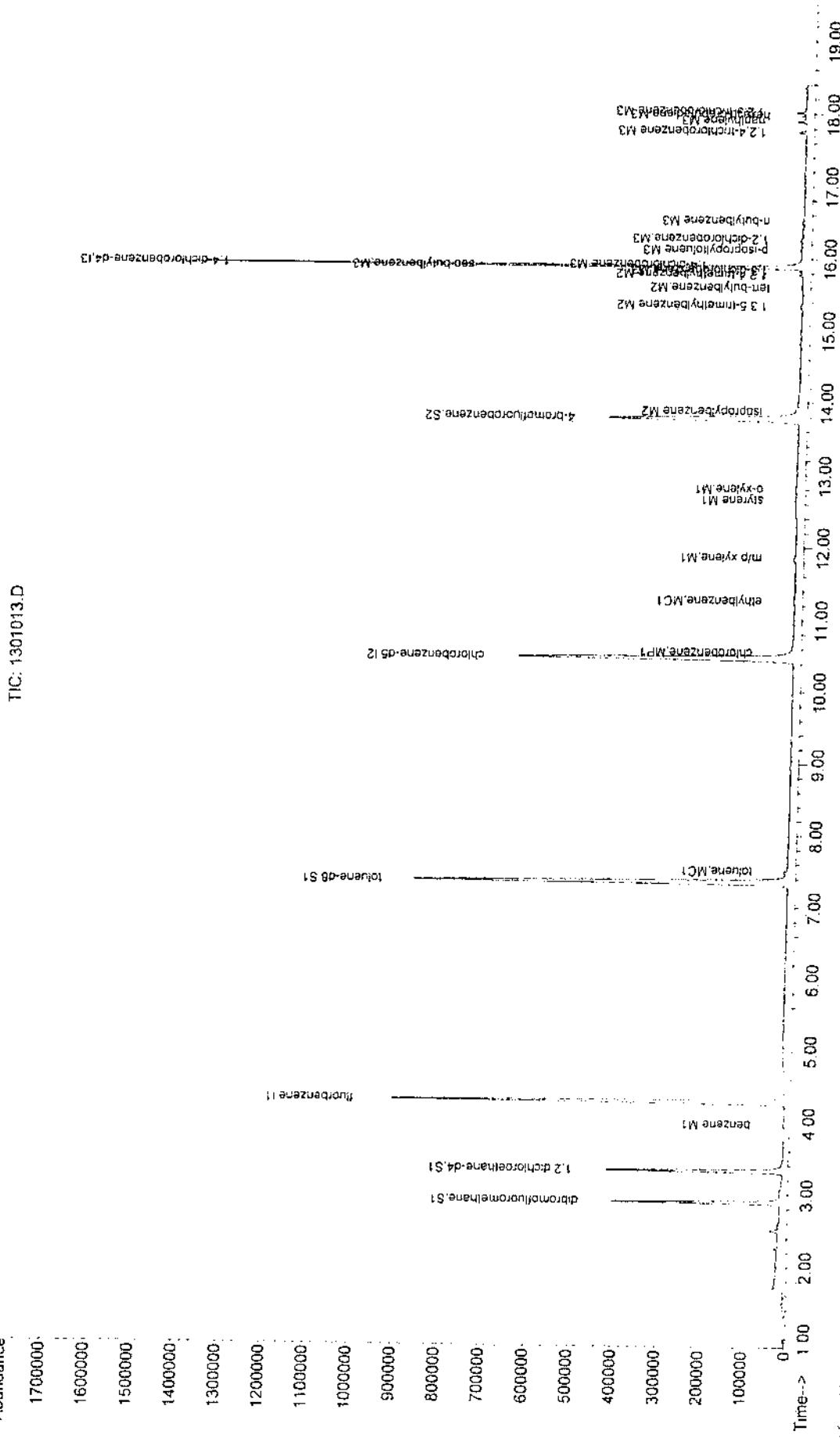
(#) = qualifier out of range (m) = manual integration (+) = signals summed

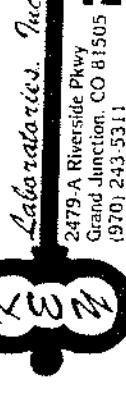
Quantitation Report (QT Reviewed)

Lab Path : C:\MSDCHEM\1\DATA\1111Nov16\
 Data File : 1301013.D
 A. S. On : 16 Nov 2011 15:44
 Operator : KEY
 Comp. Lo. : Blank, 11-0002, 010110000,
 Miss. : 6UL #450
 A/S Vial : 13 Sample Multiplier: 1

Quant Time: Nov 16 16:04:41 2011
 Quant Method : C:\MSDCHEM\1\5973N\48260VRX.M
 Quant Title : 4VRX8260 5973-8260 - Method 524.2 List - Purgeable Wed Nov 16 15:10:07 2011
 Last Update : Wed Nov 16 15:10:07 2011
 Response View : Initial Calibration

Abundance





Laboratories, Inc.
2479 A Riverside Pkwy
Grand Junction, CO 81505
(970) 243-5311
Fax (970) 243-6010

CHAIN OF CUSTODY RECORD

| Proj. No / Name | Company Name | Phone | Fax | SAMPLE ANALYSES | | | | | | LABORATORY SAMPLE # |
|------------------------------|--------------|-------|-------------|--------------------------|-------------------------------------|--------|-----------------|---------------|-----------------------------------------|---------------------|
| | | | | SAMPLES / (Signature) | Sampler Name, (Printed) | DATE | TIME | MATRIX | SAMPLE LOCATION | |
| C-A-3 | 11/4/11 1430 | | | | | | | | | 11-1377 |
| C-W-2 | 11/4/11 1430 | | | | | | | | | 1378 |
| C-A-3 | 11/4/11 1430 | | | | | | | | | 1377 |
| C-T2-1 | 11/7/11 1430 | | | | | | | | | 1380 |
| | | | | | | | | | TOTAL NO. OF CONTAINERS | 4 |
| Relinquished by: (Signature) | | | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | | | Date / Time | Received by: (Signature) | |
| Custody Seal No. | | | | Custody Seal Present | <input checked="" type="checkbox"/> | Intact | | Date Required | | |
| Method of Shipment: | | | | Shipped by: (Signature) | | | Date Completed: | | Received for Laboratory by: (Signature) | |
| | | | | | | | | | Date / Time | |
| | | | | | | | | | Received by: (Signature) | |

Hans D. L. L.

Method of Shipment:

Custody Seal No.

Received by: (Signature)

Relinquished by: (Signature)

Date / Time

Received by: (Signature)

Date / Time

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0301004.D Vial: 3
Acq On : 10 Nov 2011 12:54 Operator: KEY
Sample : 11-1377, G-N, 1110111377, Inst : TEH 5890/
Misc : Soil, 20.11g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Nov 10 18:16 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL

Signal Phase : HP-5 = 50m x 0.2mm x 0.33um

Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------------|------------|------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| 2) S o-Terphenyl | 13.59 | 2042065 | 27.615 ppm |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery = | 56.82% |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRO] | 12.60 | 3679454 | 83.969 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1111IN10\0301004.D Vial: 3
Acq On : 11 Nov 2011 12:5:4 Operator: KEY
Sample : 1111IN10, G-N, 1110111377, Inst : TEH 5890/
Misc : Oil, 20.11g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: Nov 10 18:16 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 1.0um
Signal Info :

Response_ 0301004.D:FID1A

150000

140000

130000

120000

110000

100000

90000

80000

70000

60000

50000

40000

30000

20000

10000

0

-10000



Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0401005.D Vial: 4
Acq On : 10 Nov 2011 126:2 Operator: KEY
Sample : 11-1378, G-W, 1110111377, Inst : TEH 5890/
Misc : Soil, 19.99g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Nov 10 18:53 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------------|-------------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| <hr/> | | | |
| 2) S o-Terphenyl | 13.59 | 2431631 | 32.883 ppm |
| Spiked Amount | 49.600 | Range 50 - 150 | Recovery = 67.66% |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRO] | 12.60 | 3168814 | 72.315 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0401005.D Vial: 4
Acq On : 10 Nov 2011 12:26:2 Operator: KEY
Sample : 11-1378, G-W, 1110111377, Inst : TEH 5890/
Misc : Soil, 19.99g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: Nov 10 18:53 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HPS.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HPS.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

Response 0401005.D\FID1A
180000

170000

160000

50

150000

140000

130000

120000

110000

100000

90000

80000

70000

60000

50000

40000

30000

20000

10000

0

-10000

Time

0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0501006.D Vial: 5
Acq On : 10 Nov 2011 12:0 Operator: KEY
Sample : 11-1379, G-M, 1110111377, Inst : TEH 5890/
Misc : Soil, 20.12g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Nov 10 19:31 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL

Signal Phase : HP-5 = 50m x 0.2mm x 0.33um

Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------------|-------------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| <hr/> | | | |
| 2) S o-Terphenyl | 13.59 | 2614531 | 35.356 ppm |
| Spiked Amount | 48.600 | Range 50 - 150 | Recovery = 72.75% |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRO] | 12.60 | 3073606 | 70.143 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0501006.D Vial: 5
Acq On : 10 Nov 2011 12:07:00 Operator: KEY
Sample : A1-1379, G-M, 1110111377, Inst : TEH 5890/
Misc : Soil, 20.12g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: Nov 10 19:31 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Ini. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

Response_ 0501006.D:FID1A
190000

180000

170000

160000

150000

140000

130000

120000

110000

100000

90000

80000

70000

60000

50000

40000

30000

20000

10000

0

-10000

Extracted Ion Chromatogram

Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0601007.D Vial: 6
Acq On : 11 Nov 2011 127:3 Operator: KEY
Sample : AI-1380, G-Toe, 1110111377, Inst : TEH 5890/
Misc : Soil, 20.06g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Nov 10 20:08 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase: HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------------|------------|------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| 2) S o-Terphenyl | 13.59 | 2634839 | 35.631 ppm |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery = | 73.31% |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH {DRO} | 12.60 | 4299809 | 98.126 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0601007.D Vial: 6
Acq On : 16 Nov 2011 12:3 Operator: KEY
Sample : 11-1380, G-Toe, 1110111377, Inst : TEH 5890/
Misc : 20.06g, STTI, Basin Western Hwy 14 Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: Nov 10 20:08 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:14 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL

Signal Phase : HP-5 = 50m x 0.2mm x 0.33um

Signal Info :

Response_ 0601007.D\FIDIA

190000

180000

170000

5
10

160000

150000

140000

130000

120000

110000

100000

90000

80000

70000

60000

50000

40000

30000

20000

10000

0

-10000

2
1
0
-1
-2

Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0101001.D Vial: 1
Acq On : 10 Nov 2011 123:5 Operator: KEY
Sample : 11-0001, CC TEH 1000 ppm, 0101110000, Inst : TEH 5890/
Misc : Diesel #2 in hexane Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Nov 11 10:56 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.3um
Signal Info :

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|----------------|------------|----------|-------|
| <hr/> | | | | |
| System Monitoring Compounds | | | | |
| 2) S o-Terphenyl | 13.58 | 2 | 0.000 | ppm m |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery = | 0.00% | # |
| <hr/> | | | | |
| Target Compounds | | | | |
| 1) H TEPH [DRO] | 12.60 | 45920733 | 1047.954 | ppm |

Quantitation Report

Data File : ':\HPCHEM\1\TEH_DATA\1111N10\0101001.D Vial: 1
Acq On : Fri Nov 2011 12:5 Operator: KEY
Sample : 11-0001, CC TEH 1000 ppm, 0101110000, Inst : TEH 5890/
Misc : Diesel #2 in hexane Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: Nov 11 10:56 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

Response_ 0101001.D\FID1A

95000

90000

85000

80000

75000

70000

65000

60000

55000

50000

45000

40000

35000

30000

25000

20000

15000

10000

5000

0

-5000

Time Response

Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1111N10\0201003.D Vial: 2
 Acq On : 11 Nov 2011 125:0 Operator: KEY
 Sample : 11-0002, Blank 11-10-11, 0101110000, Inst : TEH 5890/
 Misc : TEH Soil Blank Multiplrx: 1.00
 IntFile : TERPHEN.E
 Quant Time: Nov 10 17:39 19111 Quant Results File: TEH_HPS.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HPS.M (Chemstation Integrator)
 Title : TEH_HPS
 Last Update : Tue Jan 18 14:44:14 2011
 Response via : Initial Calibration
 DataAcq Meth : TEH_HPS.M

Volume Inf. : 2 uL

Signal Phase : HP-5 = 50m x 0.2mm x 0.33um

Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------------|-------------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| 2) S o-Terphenyl | 13.00 | 2584466 | 34.950 ppm |
| Spiked Amount | 3.600 | Range 50 - 150 | Recovery = 71.91% |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRC] | 12.60 | 3176311 | 72.486 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\111111\0201003.D Vial: 2
 Acq On : 11 Nov 2011 125:0 Operator: KEY
 Sample : 11-0002, Blank 11-10-11, 0101110000, Inst : TEH 5890/
 Misc : TEH Soil Blank Multipllr: 1.00
 IntFile : TEH_HP5.E

Quant Time: Nov 10 17:39 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
 Title : TEH_HP5
 Last Update : Tue Jan 18 14:44:13 2011
 Response Unit : Multiple Level Calibration
 DataAsg Method : TEH_HP5.M

Volume Inj.: 2 uL

Signal Phase : HP-5 = 50m x 0.2mm x 0.33um

Signal Info :

Response 190000 0201003.D\FID1A

180000

170000

160000

160

150000

140000

130000

120000

110000

100000

90000

80000

70000

60000

50000

40000

30000

20000

10000

0

-10000



Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Laboratories, Inc.

2479-A Riverside Pkwy
Grand Junction, CO 81505
(970) 243-5311

Fax (970) 243-6010

CHAIN OF CUSTODY RECORD

| SAMPLE ID | DATE | TIME | MATRIX | SAMPLE LOCATION | SAMPLE ANALYSES | | CONTAINER/SIZE/TYPE <i>Pile bags</i> | PRESERVATIVES <i>None</i> | REMARKS <i>1356</i> | LABORATORY SAMPLE # <i>162711/1356</i> | |
|----------------------------------------|-------|------|--------|-----------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|------------------------|---------------------------------------------------|--|
| | | | | | Received by: (Signature) | Released by: (Signature) | | | | | |
| Sump Soil | 10/26 | | Bu | Spill | <i>10:46</i> | <i>10:56</i> | | | | | |
| TOTAL NO. OF CONTAINERS | | | | | | | | | | | |
| Retained by: (Signature) | | | | | | | Received by: (Signature) | Released by: (Signature) | Date / Time | Received by: (Signature) | |
| Custody Seal No. <i>10127 10:40</i> | | | | | | | Custody Seal Present Intact | Date Required | Date Completed: | Received by: (Signature) <i>John Deardorff</i> | |
| Method of Shipment: <i>Handed</i> | | | | | | | Shipped by: (Signature) <i>John Deardorff</i> | | Date Completed: | Received by: (Signature) <i>John Deardorff</i> | |
| | | | | | | | | | Date / Time | Received by: (Signature) <i>John Deardorff</i> | |

Diesel Range Organics IEN

TEPH (DRO) calculation sheet subtracted)

| TEPH (DRO C10-C28) RESULTS (method blank) | | | | | | | | | |
|-------------------------------------------|--------|-----------|--------------------|---------------------|---------------------|-----------------|--------------------------|-----------------------------|-------------------|
| Run Date | Matrix | Key Lab # | Hexane Volume [mL] | TEH Run Blank [ppm] | Moisture Multiplier | Aliquot [g, mL] | Instrument DF Multiplier | Multiplied Raw T.E.H. [ppm] | Sample Location |
| | | | | | | | | | Final TEH Results |
| | | | | | | | | | Sample ID |
| 10/27/20 -0:10 | | 11-0802 | 4 | | 1 | 20.00 | 1.000 | 59.7 | 0101110092 |
| 10/27/20 -0:32 | Soil | 11-1356 | 4 | | 1.49 | 20.17 | 1.000 | 105.2 | 1627111356 |
| | | | | | | | | | BW Spill |
| | | | | | | | | | Method Blank |
| | | | | | | | | | < (20) |
| | | | | | | | | | mg / Kg |
| | | | | | | | | | 31.1 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1110027\0601007.D Vial: 6
Acq On : 27 Oct 2011 132:5 Operator: KEY
Sample : 11-1356, Sump Soil, 1027111356, Inst : TEH 5890/
Misc : Soil, 20.17g, STTI, BW Spill Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Tue 27 13:28 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------------|------------|-------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| 2) S o-Terphenyl | 13.59 | 1523489 | 20.602 ppm |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery = | 42.39%# |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRO] | 12.60 | 4611286 | 105.234 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1110027\0601007.D Vial: 6
Acq On : 27 Oct 2011 13:25 Operator: KEY
Sample : 11-1356, Sump Soil, 1027111356, Inst : TEH 5890/
Misc : Soil, 20.17g, STTI, BW Spill Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: 2011-27 13:28 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

Response_ : 0601007.D\FID1A

110000

100000

13:25

90000

80000

70000

60000

50000

40000

30000

20000

10000

0

[mAU]
Time

Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1110027\0102002.D Vial: 1
Acq On : 27 Oct 2011 9:5 Operator: KEY
Sample : 11-0001, CC TEH 1000 ppm, 0101100000, Inst : TEH 5890/
Misc : Diesel #2 in hexane Multipllr: 1.00
IntFile : TERPHEN.E
Quant Time: Oct 27 9:44 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|----------------|----------|----------|--------|
| <hr/> | | | | |
| System Monitoring Compounds | | | | |
| 2) S o-Terphenyl | 13.57 | 0 | N.D. | ppm m |
| Spiked Amount 48.600 | Range 50 - 150 | Recovery | = | 0.00%# |
| <hr/> | | | | |
| Target Compounds | | | | |
| 1) H TEPH [DRO] | 12.60 | 48283490 | 1101.875 | ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1110027\0102002.D Vial: 1
Acq On : 27 Oct 2011 9:5 Operator: KEY
Sample : 11-0001, CC TEH 1000 ppm, 0101100000, Inst : TEH 5890/
Misc : Diesel #2 in hexane Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: Oct 27 9:44 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

Response 0102002.D\FID1A
105000

100000

95000

90000

8.12

85000

80000

75000

70000

65000

60000

55000

50000

45000

40000

35000

30000

25000

20000

15000

10000

5000

0

-5000

-10000

FID101

Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\TEH_DATA\1110027\0201003.D Vial: 2
Acq On : 27 Oct 2011 10:2 Operator: KEY
Sample : 11-0002, Blank 10-27-11, 0101110000, Inst : TEH 5890/
Misc : TEH Method Blank Multiplr: 1.00
IntFile : TERPHEN.E
Quant Time: Oct 27 10:57 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH_HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Initial Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL
Signal Phase : HP-5 = 50m x 0.2mm x 0.33um
Signal Info :

| Compound | R.T. | Response | Conc Units |
|-------------------------------------------------------|-------|----------|------------|
| <hr/> | | | |
| System Monitoring Compounds | | | |
| 2) S o-Terphenyl | 13.60 | 2437210 | 32.959 ppm |
| Spiked Amount 43.600 Range 50 - 150 Recovery = 67.82% | | | |
| <hr/> | | | |
| Target Compounds | | | |
| 1) H TEPH [DRO] | 12.60 | 2616638 | 59.714 ppm |

Quantitation Report

Data File : C:\HPCHEM\1\TEH_DATA\1110027\0201003.D Vial: 2
Acq On : 27 Oct 2011 10:2 Operator: KEY
Sample : 11-0002, Blank 10-27-11, 0101110000, Inst : TEH 5890/
Misc : TEH Method Blank Multiplr: 1.00
IntFile : TEH_HP5.E
Quant Time: Oct 27 10:57 19111 Quant Results File: TEH_HP5.RES

Quant Method : C:\HPCHEM\1\METHODS\TEH_HP5.M (Chemstation Integrator)
Title : TEH HP5
Last Update : Tue Jan 18 14:44:13 2011
Response via : Multiple Level Calibration
DataAcq Meth : TEH_HP5.M

Volume Inj. : 2 uL

Signal Phase : HP-5 = 50m x 0.2mm x 0.33um

Signal Info :

Response_ 0201003.D\FID1A
180000

170000

160000

13.60

150000

13.60

140000

13.60

130000

13.60

120000

13.60

110000

13.60

100000

13.60

90000

13.60

80000

13.60

70000

13.60

60000

13.60

50000

13.60

40000

13.60

30000

13.60

20000

13.60

10000

13.60

0

-10000

13.60
Integration

Time 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 26:00 28:00

Directory: c:\hpchem\1\teh_data\1110o27

Injection Log

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|------|------|-----------|------------|---------------------------------------|-----------------------------------------------|----------------|
| 1 | 1 | 0101001.d | 1 | 11-0001, CC TEH 1000 ppm, 0101100000, | | |
| 2 | 1 | 0102002.d | 1 | 11-0001, CC TEH 1000 ppm, 0101100000, | Diesel #2 in hexane | 27 Oct 111 12: |
| 3 | 2 | 0201003.d | 1 | 11-0002, Blank 10-27-11, 0101110000, | Diesel #2 in hexane | 27 Oct 111 12: |
| 4 | 3 | 0301004.d | 20. | 11-1354, Release, 1025111354, | TEH Method Blank | 27 Oct 111 13: |
| 5 | 4 | 0401005.d | 1 | 11-1355, Back Ground, 1025111354, | Soil, 20.11g, EAA, Halliburton Slick Rock Hil | 27 Oct 111 13: |
| 6 | 5 | 0501006.d | 10. | 11-1354, Release, 1025111354, | Soil, 20.48g, EAA, Halliburton Slick Rock Hil | 27 Oct 111 13: |
| 7 | 6 | 0601007.d | 1 | 11-1356, Sump Soil, 1027111356, | Soil, 20.11g, EAA, Halliburton Slick Rock Hil | 27 Oct 111 13: |
| | | | | | Soil, 20.17g, STTI, BW Spill | 27 Oct 111 13: |

Oil and Grease

Oil & Grease calculation sheet

Oil & Grease RESULTS

| Run Date | Matrix | Key Lab # | Oil & Grease Method Blank [g] | Moisture Multiplier | Aliquot [g, mL] | Empty Tara Weight [g] | Final Weight [g] | Aliquot Multiplier for mg/Kg, L | Key CDC# | Key Lab# | Sample Location | Sample ID | Oil & Grease Result | Units |
|------------|--------|-----------|-------------------------------|---------------------|-----------------|-----------------------|------------------|---------------------------------|----------|------------|-----------------|-----------|---------------------|---------|
| 10/27/2011 | Soil | 11-1356 | 0.0001 | 1 | 100.2800 | 102.3606 | 102.3625 | 9.9721 | 0.0019 | 1027111356 | 11-1356 | BW Spill | < (19.9) | mg / Kg |

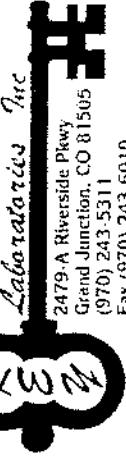
Loss On Heating

Loss On Heating calculation data

Total Solids Dried at 103-105C

SM 2540 B

| Run Date | Matrix | Key Lab # | Weighing Dish Serial# | Aliquot [g, mL] | Empty Dish Wt[g] | Wet Dish Wt[g] | Dry Dish Wt[g] | Key COC# | Key Lab# | Date Received | Date Sampled | Sample Location | Sample ID | % Moisture | Rounded Moisture Multiplier |
|----------|--------|-----------|-----------------------|-----------------|------------------|----------------|----------------|------------|----------|---------------|--------------|-----------------|-----------|------------|-----------------------------|
| 10/27/11 | Soil | 11-1356 | 513 | 68.47 | 107.43 | 175.90 | 153.38 | 1027111356 | 11-1356 | 10/27/11 | 10/26/11 | BW Spill | Sump Soil | 32.89 | 1.49 |
| | | | | | | | | | | | | | | | |



2479-A Riverside Pkwy
Grand Junction, CO 81505
(970) 243-5311
Fax (970) 243-6010

CHAIN OF CUSTODY RECORD

| Line No. | No./Name | Company Name | Phone: | SAMPLE ANALYSES | | | | | | LABORATORY SAMPLE # | REMARKS | | |
|----------------------------------|-----------------------|-------------------------|-----------------------------|-----------------|----------------------------------------|------|---------------|-------------------------|---------------|-------------------------------------|-------------|-------------------------|---------------|
| | | | | Email: | Sampler Name (Printed) | Fax: | Date | Time | Matrix | | | Sample Location | Preservatives |
| 1 | N/A | A. S. Gephart | 513-1642 | | | | | | | | | | |
| 2 | SAMPLERS: (Signature) | D. Burchell | 513-1642 | | | | | | | | | | |
| SAMPLE ID. | DATE | TIME | MATRIX | | | | | | | | | | |
| Bur-6 | 11-8-11 | 10:05 | Soil | Aug 14 / 2011 | 10:28 | ✓ | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTAL NO. OF CONTAINERS 3 | | | | | | | | | | | | | |
| Relinquished by (Signature) | Date / Time | Received by (Signature) | Relinquished by (Signature) | | Received by (Signature) | | Custody Seal | | Date Required | Date / Time Received by (Signature) | | Reopened by (Signature) | |
| D. Burchell | 11-8-11 | 12:10 | N/A | | | | Present Inact | | | Date Received | | | |
| Custody Seal No. | Method of Shipment | Shipped by (Signature) | Date Completed | | Received for Laboratory by (Signature) | | Date / Time | Received by (Signature) | | | Date / Time | | |
| NA | Hand delivery | D. Burchell | 11/14/2010 | | | | | Signature | | | Signature | | Date / Time |

Key Laboratories, Inc.
2479A Riverside Parkway
Grand Junction, Colorado 81505-1319
Phone (970) 243-5311 Fax (970) 243-6010

Final Results
Report Date:

11/08/11



Ignitability Results

| Key Lab# | Key COC# | Client Sample Name | Instrument Result | Units |
|----------|------------|--------------------|-------------------|-------|
| 11-1372 | 1108111372 | BW-LF | >140 | °F |

BTEX Analytical Report

KEY LABORATORIES, INC.

2479A Riverside Parkway
Grand Junction, CO 81505-1319
(970) 243-5311 FAX (970) 243-6010

Client : Storage Tank Technology, Inc.
Client Project Name : LMH-Gateway

Client Project Number :

Client Sample ID : BW-LF

Client Sample Location : LMH

Sampling Date : 11/08/11

Sampling Time : 10:00

Sample Matrix : Soil

Sampler : Brett

Key Labs Report Prefix:

% LOH: 7.676

Loss On Heating multiplier = 1.083

MeOH Extract/Dilution Aliquot [uL] =

Dilution/Extraction volume [mL] =

Reported--> x

QC Type:

Key Lab # : 11-1372

Work Order # : 1108111372

Date Received : 11/08/11

Method : EPA SW846 5030/5035/8260

Technician : KEY

Data File Name: 0301003.D

Date Analyzed : 8 Nov 2011 13:31

Data File Path : C:\MSDCHEM\DATA\111NOV08\

Lab Sample Information :

Soil, 1.34g, STTL, LMH-Gateway

Lab Sample Number : BW-LF, 11-1372, 1108111372

Significant Figures= 2

Sample vol/wt = 1.34

DF = 4.041

| CAS# | Type | Target Compounds | Audit | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Final Units | RDL | Qual | MQL | Spike %REC |
|--------------|------|--------------------|-------|-------|----------|-------|------|-------|-------|-------------|-------------|------|------|-------|------------|
| | H1 | TVH [GRO] [C6-C10] | | | | | 150 | ug | | | | | | | |
| 1634-04-4 M1 | | MTBE | | | | | 0.25 | ug | | | | | | | |
| 71-43-2 M1 | | Benzene | x | 3.973 | 1033063 | 8.30 | 0.33 | ug | 4.041 | 34. | ug/Kg | 1.33 | | 1940. | |
| 108-88-3 MC1 | | Toluene | x | 7.485 | 3854360 | 48.94 | 0.57 | ug | 4.041 | 200. | ug/Kg | 2.3 | | 1940. | |
| 100-41-4 MC2 | | Ethylbenzene | x | 11.24 | 4226563 | 28.07 | 0.27 | ug | 4.041 | 110. | ug/Kg | 1.09 | | 1940. | |
| | | XYLEMES (Total) | x | | 22696876 | 194.1 | 1.2 | ug | 4.041 | 780. | ug/Kg | 4.85 | | 5819. | |
| 91-20-3 M3 | | Naphthalene | x | 17.89 | 2095093 | 29.36 | 2 | ug | 4.041 | 120. | ug/Kg | 8.08 | | 1940. | |

| CASE# | Type | Target Compounds | Audit | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Final Units | RDL | Qual | MQL | Spike %REC |
|-------------|------|--------------------------------------|-------|-------|----------|--------|------|-------|-------|-------------|-------------|------|------|-------|------------|
| | M2 | M/P Xylene | x | 11.81 | 14881201 | 126.96 | 1.1 | ug | 4.041 | 510. | ug/Kg | 4.45 | | 3879. | |
| 95-47-6 M2 | | O-Xylene | x | 12.78 | 7815675 | 67.12 | 0.47 | ug | 4.041 | 270. | ug/Kg | 1.9 | | 1940. | |
| 108-67-8 M2 | | 1,3,5-Trimethylbenzene | x | 15.34 | 4530040 | 37.81 | 0.65 | ug | 4.041 | 150. | ug/Kg | 2.63 | | 1940. | |
| 95-63-6 M2 | | 1,2,4-Trimethylbenzene | x | 15.77 | 17574382 | 145.63 | 1.18 | ug | 4.041 | 590. | ug/Kg | 4.77 | | 1940. | |
| | | TVH GRO (C6-C10) Subtraction Blank = | | | | | | | | | | | | | |

| CAS# | Type | System Monitoring Compounds | R.T. | Resp. | Amt. | CCV Area% | Units | Initial Area% | Init.Resp. | Water Limits | Soil Limits | Spike | %Rec | |
|---------------|------|-----------------------------|------|-------|---------|-----------|-------|---------------|------------|--------------|-------------|----------|------|-------|
| 1868-53-7 S1 | | Dibromofluoromethane | x | 2.895 | 4113486 | 87.10 | 95. | ug | 132.7 | 3100050 | 81 - 126 | 73 - 127 | 69.9 | 124.6 |
| 17060-07-0 S1 | | 1,2-Dichloroethane-d4 | x | 3.33 | 993159 | 75.19 | 97.9 | ug | 114.9 | 864029 | 82 - 118 | 83 - 117 | 69.9 | 107.6 |
| 2037-26-5 S1 | | Toluene-d8 | x | 7.352 | 4923867 | 70.86 | 98.1 | ug | 109.2 | 4510628 | 89 - 111 | 86 - 114 | 69.9 | 101.4 |
| 460-00-4 S2 | | 4-Bromofluorobenzene | x | 13.77 | 3927227 | 73.62 | 92.4 | ug | 116.2 | 3378383 | 81 - 119 | 72 - 128 | 69.9 | 105.3 |

| CAS# | Type | Internal Standard Compounds | R.T. | Resp. | Amt. | CCV Area% | Units | Initial Area% | Init.Resp. | Water Limits | Soil Limits | ISS Conc. | |
|--------------|------|-----------------------------|------|-------|---------|-----------|-------|---------------|------------|--------------|-------------|-----------|------|
| 462-06-11 | | Fluorobenzene | x | 4.291 | 8352039 | 69.95 | 95.7 | ug | 107.7 | 7754231 | 50 - 200 | 50 - 200 | 69.9 |
| 3114-55-4 I2 | | Chlorobenzene-d5 | x | 10.47 | 1434219 | 69.95 | 95.5 | ug | 109.2 | 1313683 | 50 - 200 | 50 - 200 | 69.9 |
| 3855-82-1 I3 | | 1,4-Dichlorobenzene-d4 | x | 15.88 | 3131623 | 69.95 | 91.6 | ug | 114.3 | 2740791 | 50 - 200 | 50 - 200 | 69.9 |

MDL = Method Detection Limit

PQL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov08\
 Data File : 0301003.D
 Acq On : 8 Nov 2011 13:31
 Operator : KEY
 Sample : BW-LF, 11-1372, 1108111372,
 Misc : Soil, 1.34g, STTI, LMH-Gateway
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 08 14:16:00 2011
 Quant Method : C:\MSDCHEM\1\5973N\4BTEXVRX.M
 Quant Title : 4VRXBTEX 8260/BTEX
 QLast Update : Tue Nov 08 12:50:01 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) fluorbenzene | 4.29 | 96 | 8352039 | 69.95 | ug | 0.00 |
| 9) Chlorbenzene-d5 | 10.47 | 54 | 1434219+ | 69.95 | ug | 0.00 |
| 16) 1,4-Dichlorobenzene-d4 | 15.88 | 152 | 3131623+ | 69.95 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------|--------|-------|----------|----------|-----------|------|
| 4) Dibromofluoromethane | 2.89 | 113 | 4113486+ | 87.10 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 73 - 127 | Recovery | = 124.61% | |
| 5) 1,2-Dichloroethane-d4 | 3.33 | 67 | 993159 | 75.19 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 83 - 117 | Recovery | = 107.57% | |
| 7) Toluene-d8 | 7.35 | 100 | 4923867 | 70.86 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 86 - 114 | Recovery | = 101.37% | |
| 13) 4-Bromofluorobenzene | 13.77 | 174 | 3927227+ | 73.62 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 72 - 128 | Recovery | = 105.32% | |

Target Compounds

| | | | | | Qvalue |
|----------------------------|-------|-----|------------|---------|--------|
| 2) TVH [GRO] [C6-C10] | 1.90 | TIC | 439421251m | 3873.40 | ug |
| 3) MTBE | 0.00 | 73 | 0 | N.D. | |
| 6) Benzene | 3.97 | 78 | 1033063 | 8.30 | ug |
| 8) Toluene | 7.48 | 92 | 3854360 | 48.94 | ug |
| 10) Ethylbenzene | 11.24 | 91 | 4226563 | 28.07 | ug |
| 11) M/P Xylene | 11.81 | 91 | 14881201 | 126.96 | ug |
| 12) O-Xylene | 12.78 | 91 | 7815675 | 67.12 | ug |
| 14) 1,3,5-Trimethylbenzene | 15.34 | 105 | 4530040 | 37.81 | ug |
| 15) 1,2,4-Trimethylbenzene | 15.77 | 105 | 17574382 | 145.63 | ug |
| 17) Naphtylene | 17.89 | 128 | 2095093 | 29.36 | ug |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (OT Reviewed)

Location Path : C:\MSDCHEM\1\JAPAN_1111NOV08\

Data File : 0301003.D

Acquisition : 8 Nov 2011 13:33

KEY

Sample : BW-LF, 1111372, 1108111372,

Matrix : Soil, 1, 349, STII, LMH-Gateway

Alt. Quant : 3 Sample Multiplier: 1

Start Time: Nov 08 14:16:00 2011

Start Method : C:\MSDCHEM\1\5973N\4BTExVRX.M

Quant Title : 4VRXBTEx 8260/BTEX

Last Update : Tue Nov 08 12:50:01 2011

Response via : Initial Calibration

TIC: 0301003.D

Abundance
6000000

5500000

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

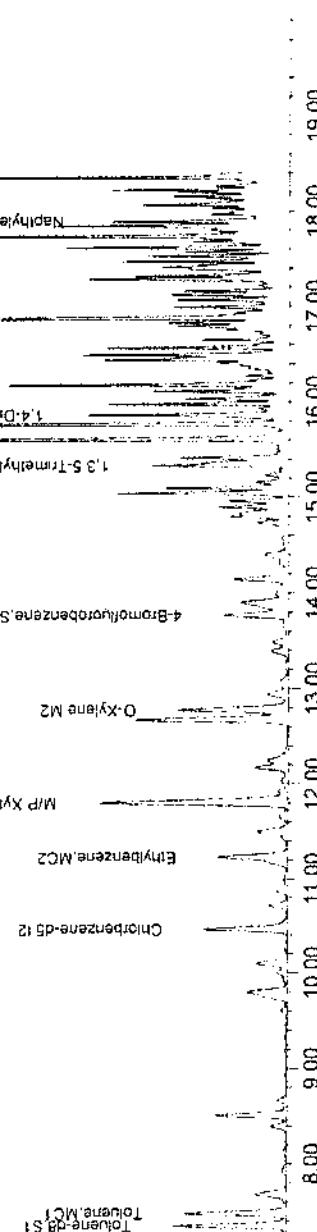
1000000

500000

0

Time--> 0 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00

14-Nov-11, M Tue Nov 08 14:16:41 2011



BTEX Analytical Report

Client : Key Laboratories, Inc.
 Client Project Name : Quality Control Sample
 Client Project Number :
 Client Sample ID : Continuing Calibration Check
 Client Sample Location : Key Labs Quality Control
 Sampling Date :
 Sampling Time :
 Sample Matrix :
 Sampler : KEY
 Key Labs Report Prefix:

QC Type: CCV
 Key Lab #: 11-0001
 Work Order #: 0101110001
 Date Received :
 Method: EPA SW846 5030/5035/8260
 Technician : KEY
 Data File Name: 0101001.D
 Date Analyzed : 8 Nov 2011 12:39
 Data File Path : C:\MSDCHEM\DATA_1111NOV08\
 Lab Sample Information : 5uL #450 + 1uL #453 + #454
 Lab Sample Number : CC BTEX 40ppb, 11-0001, 0101110000,

Loss On Heating multiplier =
 MeOH Extract/Dilution Aliquot [uL] =
 Dilution/Extraction volume [mL] =
 Reported=>> x

Significant Figures= 2
 Sample vol/wt = 5
 DF = 1

| CAS# | Type | Target Compounds | Audit | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Final Units | RDL | Qual. | MQL | Spike | %REC |
|-----------|------|-------------------|-------|-------|----------|--------|------|-------|----|-------------|-------------|-----|-------|-------|-------|-------|
| 1634-04-4 | H1 | TVH GRO C6-C10 | x | 1.9 | 85765011 | 723.47 | 150 | ug | 1. | .7 | ug/L | .15 | | 40. | | |
| 71-43-2 | M1 | MTBE | x | 2.131 | 2136790 | 45.41 | 0.25 | ug | 1. | 45. | ug/L | .25 | | 480. | 40. | 113.5 |
| 108-88-3 | M1 | Benzene | x | 3.972 | 5163917 | 39.73 | 0.33 | ug | 1. | 40. | ug/L | .33 | | 480. | 40. | 99.3 |
| 100-41-4 | MC1 | Toluene | x | 7.485 | 3306170 | 40.17 | 0.57 | ug | 1. | 40. | ug/L | .57 | | 480. | 40. | 100.4 |
| 91-20-3 | MC2 | Ethylbenzene | x | 11.24 | 6384533 | 40.49 | 0.27 | ug | 1. | 40. | ug/L | .27 | | 480. | 40. | 101.2 |
| | | XYLENES (Total) | x | | 15246154 | 124.5 | 1.2 | ug | 1. | 120. | ug/L | 1.2 | | 1440. | 120. | 103.7 |
| | M3 | Naphthalene | x | 17.89 | 3233915 | 41.52 | 2 | ug | 1. | 42. | ug/L | 2. | | 480. | 40. | 103.8 |

| CAS# | Type | Target Compounds | Audit | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Final Units | RDL | Qual. | MQL | Spike | %REC |
|----------|------|--------------------------------------|-------|-------|----------|-------|------|-------|----|-------------|-------------|------|-------|------|-------|-------|
| 95-47-6 | M2 | M/P Xylene | x | 11.83 | 10278216 | 83.74 | 1.1 | ug | 1. | 84. | ug/L | 1.1 | | 960. | 80. | 104.7 |
| 108-67-8 | M2 | O-Xylene | x | 12.79 | 4967939 | 40.74 | 0.47 | ug | 1. | 41. | ug/L | .47 | | 480. | 40. | 101.9 |
| 95-63-6 | M2 | 1,3,S-Trimethylbenzene | x | 15.34 | 5161140 | 41.14 | 0.65 | ug | 1. | 41. | ug/L | .65 | | 480. | 40. | 102.8 |
| | M2 | 1,2,4-Trimethylbenzene | x | 15.77 | 5386340 | 42.62 | 1.18 | ug | 1. | 43. | ug/L | 1.18 | | 480. | 40. | 106.6 |
| | | TVH GRO (C6-C10) Subtraction Blank = | | | | | | | | | | | | | | |

| CAS# | Type | System Monitoring Compounds | R.T. | Resp. | Amt. | CCV Area % | Units | Initial Area % | Init Resp. | Water Limits | Soil Limits | | | | Spike | %Rec |
|------------|------|-----------------------------|------|-------|---------|------------|-------|----------------|------------|--------------|-------------|----------|--|------|-------|------|
| 1868-53-7 | S1 | Dibromofluoromethane | x | 2.893 | 4330450 | 87.75 | 100. | ug | 139.7 | 3100050 | 81 - 126 | 73 - 127 | | 69.9 | 125.5 | |
| 17060-07-0 | S1 | 1,2-Dichloroethane-d4 | x | 3.329 | 1014784 | 73.52 | 100. | ug | 117.4 | 864029 | 82 - 118 | 83 - 117 | | 69.9 | 105.2 | |
| 2037-26-5 | S1 | Toluene-d8 | x | 7.353 | 5019893 | 69.13 | 100. | ug | 111.3 | 4510628 | 89 - 111 | 86 - 114 | | 69.9 | 98.9 | |
| 460-00-4 | S2 | 4-Bromofluorobenzene | x | 13.77 | 4250396 | 76.09 | 100. | ug | 125.8 | 3378383 | 81 - 119 | 72 - 128 | | 69.9 | 108.9 | |

| CAS# | Type | Internal Standard Compounds | R.T. | Resp. | Amt. | CCV Area % | Units | Initial Area % | Init Resp. | Water Limits | Soil Limits | | | | ISS Conc. |
|-----------|------|-----------------------------|------|-------|---------|------------|-------|----------------|------------|--------------|-------------|----------|--|------|-----------|
| 462-06-6 | I1 | fluorobenzene | x | 4.29 | 8727522 | 69.95 | 100. | ug | 112.6 | 7754231 | 50 - 200 | 50 - 200 | | 69.9 | |
| 3114-55-4 | I2 | Chlorobenzene-d5 | x | 10.47 | 1501945 | 69.95 | 100. | ug | 114.3 | 1313683 | 50 - 200 | 50 - 200 | | 69.9 | |
| 3855-82-1 | I3 | 1,4-Dichlorobenzene-d4 | x | 15.88 | 3418447 | 69.95 | 100. | ug | 124.7 | 2740791 | 50 - 200 | 50 - 200 | | 69.9 | |

MDL = Method Detection Limit

PQL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_1111nov08\
 Data File : 0101001.D
 Acq On : 8 Nov 2011 12:39
 Operator : KEY
 Sample : GC BTEX 40ppb, 11-0001, 0101110000,
 Misc : 5uL #450 + 1uL #453 + #454
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:00:20 2011
 Quant Method : C:\MSDCHEM\1\5973N\4BTEXVRX.M
 Quant Title : 4VRXBTEX 8260/BTEX
 QLast Update : Tue Nov 08 12:50:01 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|----------------|------|------------|---------|-------|----------|
| 1) fluorbenzene | 4.29 | 96 | 8727522 | 69.95 | ug | 0.00 |
| 9) Chlorbenzene-d5 | 10.47 | 54 | 1501945+ | 69.95 | ug | 0.00 |
| 16) 1,4-Dichlorobenzene-d4 | 15.88 | 152 | 3418447+ | 69.95 | ug | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Dibromofluoromethane | 2.89 | 113 | 4330450+ | 87.75 | ug | 0.00 |
| Spiked Amount 69.900 | Range 81 - 126 | | Recovery = | 125.54% | | |
| 5) 1,2-Dichloroethane-d4 | 3.33 | 67 | 1014784 | 73.52 | ug | 0.00 |
| Spiked Amount 69.900 | Range 82 - 118 | | Recovery = | 105.18% | | |
| 7) Toluene-d8 | 7.35 | 100 | 5019893 | 69.13 | ug | 0.00 |
| Spiked Amount 69.900 | Range 89 - 111 | | Recovery = | 98.90% | | |
| 13) 4-Bromofluorobenzene | 13.77 | 174 | 4250396+ | 76.09 | ug | 0.00 |
| Spiked Amount 69.900 | Range 81 - 119 | | Recovery = | 108.86% | | |
| Target Compounds | | | | | | |
| 2) TVH {GRO} [C6-C10] | 1.90 | TIC | 85765011m | 723.47 | ug | |
| 3) MTBE | 2.13 | 73 | 2136790 | 45.41 | ug | 98 |
| 6) Benzene | 3.97 | 78 | 5163917 | 39.73 | ug | # 98 |
| 8) Toluene | 7.49 | 92 | 3306170 | 40.17 | ug | 95 |
| 10) Ethylbenzene | 11.24 | 91 | 6384533 | 40.49 | ug | 99 |
| 11) M/P Xylene | 11.83 | 91 | 10278216 | 83.74 | ug | 99 |
| 12) O-Xylene | 12.79 | 91 | 4967939 | 40.74 | ug | 98 |
| 14) 1,3,5-Trimethylbenzene | 15.34 | 105 | 5161140 | 41.14 | ug | 100 |
| 15) 1,2,4-Trimethylbenzene | 15.77 | 105 | 5386340 | 42.62 | ug | 98 |
| 17) Naphthylene | 17.89 | 128 | 3233915 | 41.52 | ug | # 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA_1111nov08\
 Data File : 0101001.D
 Acq On : 8 Nov 2011 12:39
 Operator : KEY
 Sample : CC BTEX 40ppb, 11-0001, 0101110000,
 Misc : 5uL #450 + 1uL #453 + #454
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:00:20 2011
 Quant Method : C:\MSDCHEM\1\5973N\4BTEXVRX.M
 Quant Title : 4VRXBTEX 8260/BTEX
 QLast Update : Tue Nov 08 12:50:01 2011
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area | Dev (min) |
|--------|------------------------|-------|-------|--------|------|-----------|
| 1 I1 | fluorbenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 2 H1 | TVH [GRO] [C6-C10] | 0.950 | 0.982 | -3.4 | 115 | 0.00 |
| 3 M1 | MTBE | 0.377 | 0.428 | -13.5 | 121 | 0.00 |
| 4 S1 | Dibromofluoromethane | 0.396 | 0.496 | -25.3# | 126 | 0.00 |
| 5 S1 | 1,2-Dichloroethane-d4 | 0.111 | 0.116 | -4.5 | 112 | 0.00 |
| 6 M1 | Benzene | 1.042 | 1.035 | 0.7 | 107 | 0.00 |
| 7 S1 | Toluene-d8 | 0.582 | 0.575 | 1.2 | 105 | 0.00 |
| 8 MC1 | Toluene | 0.660 | 0.662 | -0.3 | 109 | 0.00 |
| 9 I2 | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 10 MC2 | Ethylbenzene | 7.344 | 7.434 | -1.2 | 113 | 0.00 |
| 11 M2 | M/P Xylene | 5.717 | 5.984 | -4.7 | 116 | 0.00 |
| 12 M2 | O-Xylene | 5.679 | 5.784 | -1.8 | 117 | 0.00 |
| 13 S2 | 4-Bromofluorobenzene | 2.602 | 2.830 | -8.8 | 117 | 0.00 |
| 14 M2 | 1,3,5-Trimethylbenzene | 5.843 | 6.009 | -2.8 | 116 | 0.00 |
| 15 M2 | 1,2,4-Trimethylbenzene | 5.886 | 6.271 | -6.5 | 120 | 0.00 |
| 16 I3 | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 17 M3 | Naphthalene | 1.594 | 1.654 | -3.8 | 130 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

BTEX Analytical Report

KEY LABORATORIES, INC.

Client : **Key Laboratories, Inc.**
 Client Project Name : **Quality Control Sample**
 Client Project Number :
 Client Sample ID : **Method Blank**
 Client Sample Location : **Key Labs Quality Control**
 Sampling Date :
 Sampling Time :
 Sample Matrix :
 Sampler : **KEY**
 Key Labs Report Prefix:

QC Type: **Blank**
 Key Lab #: **11-0002**
 Work Order #: **0101110002**
 Date Received :
 Method : **EPA SW846 5030/5035/8260**
 Technician : **KEY**
 Data File Name: **0201002.D**
 Date Analyzed : **8 Nov 2011 13:05**
 Data File Path : **C:\MSDCHEM\DATA_111NOV08**
 Lab Sample Information : **SuL #450**

Loss On Heating multiplier =

MeOH Extract/Dilution Aliquot [uL] =

Significant Figures= **2**

Dilution/Extraction volume [mL] =

Sample vol/wt = **5**

Reported>>> **x**

DF = **1**

Lab Sample Number : **Blank, 11-0002, 0101110002,**

| CAS# | Type | Target Compounds | Audit | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Final Units | RDL | Qual | MQL | Spike | %REC |
|--------------|-------------------|------------------|-------|-------|----------|---------|------|-------|----|-------------|-------------|------|------|-----|-------|------|
| 1634-04-4 H1 | TVH [GRO] C6-C10 | | x | 1.9 | -2147484 | -139.44 | 150 | ug | 1. | < | ug/L | .15 | | | 40. | |
| 71-43-2 M1 | MTBE | | x | | | | 0.25 | ug | 1. | < | ug/L | .25 | | | 480. | |
| 108-88-3 M1 | Benzene | | x | 3.978 | | 7944 | 0.06 | 0.33 | ug | 1. | < | ug/L | .33 | | 480. | |
| 100-41-4 MC1 | Toluene | | x | 7.489 | | 17830 | 0.21 | 0.57 | ug | 1. | < | ug/L | .57 | | 480. | |
| 100-41-4 MC2 | Ethylbenzene | | x | 11.27 | | 12932 | 0.08 | 0.27 | ug | 1. | < | ug/L | .27 | | 480. | |
| | XYLEMES (Total) | | x | | | 37917 | .3 | 1.2 | ug | 1. | < | ug/L | 1.2 | | 1440. | |
| 91-20-3 M3 | Naphthalene | | x | 17.9 | | 143675 | 1.83 | 2 | ug | 1. | < | ug/L | 2. | | 480. | |

| CAS# | Type | Target Compounds | Audit | R.T. | Resp. | Amt. | MDL | Units | DF | Final Conc. | Final Units | RDL | Qual | MQL | Spike | %REC |
|-------------|--------------------------------------|------------------|-------|-------|-------|-------|------|-------|----|-------------|-------------|------|------|-----|-------|------|
| 95-47-6 M2 | M/P Xylene | | x | 11.84 | | 27842 | 0.22 | 1.1 | ug | 1. | < | ug/L | 1.1 | | 960. | |
| 95-47-6 M2 | O-Xylene | | x | 12.81 | | 10075 | 0.08 | 0.47 | ug | 1. | < | ug/L | .47 | | 480. | |
| 108-67-8 M2 | 1,3,5-Trimethylbenzene | | x | 15.35 | | 19734 | 0.15 | 0.65 | ug | 1. | < | ug/L | .65 | | 480. | |
| 95-63-6 M2 | 1,2,4-Trimethylbenzene | | x | 15.78 | | 23188 | 0.17 | 1.18 | ug | 1. | < | ug/L | 1.18 | | 480. | |
| | TVH GRO (C6-C10) Subtraction Blank = | | | | | | | | | | | | | | | |

| CAS# | Type | System Monitoring Compounds | R.T. | Resp. | Amt. | CCV | Units | Initial Area % | Init. Resp. | Water Limits | Soil Limits | Spike | %Rec | | |
|---------------|-----------------------|-----------------------------|------|-------|------|---------|-------|----------------|-------------|--------------|-------------|----------|----------|------|-------|
| 1868-53-7 S1 | Dibromofluoromethane | | x | 2.895 | | 4408351 | 87.08 | 101.8 | ug | 142.2 | 3100050 | 81 - 126 | 73 - 127 | 69.9 | 124.6 |
| 17060-07-0 S1 | 1,2-Dichloroethane-d4 | | x | 3.33 | | 1068220 | 75.44 | 105.3 | ug | 123.6 | 864029 | 82 - 118 | 83 - 117 | 69.9 | 107.9 |
| 2037-26-5 S1 | Toluene-d8 | | x | 7.353 | | 5215214 | 70.01 | 103.9 | ug | 115.6 | 4510628 | 89 - 111 | 86 - 114 | 69.9 | 100.2 |
| 460-00-4 S2 | 4-Bromofluorobenzene | | x | 13.77 | | 4313679 | 73.54 | 101.5 | ug | 127.7 | 3378383 | 81 - 119 | 72 - 128 | 69.9 | 105.2 |

| CAS# | Type | Internal Standard Compounds | R.T. | Resp. | Amt. | CCV | Units | Initial Area % | Init. Resp. | Water Limits | Soil Limits | ISS Conc | | |
|--------------|------------------------|-----------------------------|------|-------|------|---------|-------|----------------|-------------|--------------|-------------|----------|----------|------|
| 462-06-6 I1 | Fluorobenzene | | x | 4.291 | | 8952623 | 69.95 | 102.6 | ug | 115.5 | 7754231 | 50 - 200 | 50 - 200 | 69.9 |
| 3114-55-4 I2 | Chlorobenzene-d5 | | x | 10.47 | | 1577070 | 69.95 | 105. | ug | 120. | 1313683 | 50 - 200 | 50 - 200 | 69.9 |
| 3855-82-1 I3 | t,4-Dichlorobenzene-d4 | | x | 15.88 | | 3445428 | 69.95 | 100.8 | ug | 125.7 | 2740791 | 50 - 200 | 50 - 200 | 69.9 |

MDL = Method Detection Limit

'QL = Practical Quantitation Limit = 4 x MDL

RDL = Reporting Detection Limit = MDL x Dilution Factor

MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL

E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_1111nov08\
 Data File : 0201002.D
 Acq On : 8 Nov 2011 13:05
 Operator : KEY
 Sample : Blank, 11-0002, 0101110000,
 Misc : 5uL #450
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 14:15:35 2011
 Quant Method : C:\MSDCHEM\1\5973N\4BTEXVRX.M
 Quant Title : 4VRXBTEX 8260/BTEX
 QLast Update : Tue Nov 08 12:50:01 2011
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) fluorbenzene | 4.29 | 96 | 8952623 | 69.95 | ug | 0.00 |
| 9) Chlorbenzene-d5 | 10.47 | 54 | 1577070+ | 69.95 | ug | 0.00 |
| 16) 1,4-Dichlorobenzene-d4 | 15.88 | 152 | 3445428+ | 69.95 | ug | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------|--------|-------|----------|----------|----|---------|
| 4) Dibromofluoromethane | 2.89 | 113 | 4408351+ | 87.08 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 81 - 126 | Recovery | = | 124.58% |
| 5) 1,2-Dichloroethane-d4 | 3.33 | 67 | 1068220 | 75.44 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 82 - 118 | Recovery | = | 107.93% |
| 7) Toluene-d8 | 7.35 | 100 | 5215214 | 70.01 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 89 - 111 | Recovery | = | 100.16% |
| 13) 4-Bromofluorobenzene | 13.77 | 174 | 4313679+ | 73.54 | ug | 0.00 |
| Spiked Amount | 69.900 | Range | 81 - 119 | Recovery | = | 105.21% |

Target Compounds

| | | | | QValue |
|----------------------------|-------|-----|------------|--------------|
| 2) TVH [GRO] [C6-C10] | 1.90 | TIC | -16956663m | Below Cal |
| 3) MTBE | 0.00 | 73 | 0 | N.D. |
| 6) Benzene | 3.98 | 78 | 7944 | 0.06 ug # 53 |
| 8) Toluene | 7.49 | 92 | 17830 | 0.21 ug # 88 |
| 10) Ethylbenzene | 11.27 | 91 | 12932 | 0.08 ug # 71 |
| 11) M/P Xylene | 11.84 | 91 | 27842 | 0.22 ug # 84 |
| 12) O-Xylene | 12.81 | 91 | 10075 | 0.08 ug # 69 |
| 14) 1,3,5-Trimethylbenzene | 15.35 | 105 | 19734 | 0.15 ug # 60 |
| 15) 1,2,4-Trimethylbenzene | 15.78 | 105 | 23188 | 0.17 ug # 94 |
| 17) Naphtylene | 17.90 | 128 | 143675 | 1.83 ug # 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QTR Reviewed)

Data Path : C:\MSDCHEM\1\DATA_111Nov08\
Data File : 0201002.D
Acq. On : 8 Nov 2011 13:05
Operator : KEY
Sample : Blank, 11-0002, 0101110000,
Misc. : Sul. #450
AIS Vial : 2 Sample Multiplier: 1

Current Time: Nov 08 14:15:35 2011
Quest Method : C:\MSDCHEM\1\5973N\4BTEXVRX.M
Quest Title : 4VRXBTX 6260/BTEX
Quest Update : Tue Nov 08 12:50:01 2011
Response via : Initial Calibration

Abundance

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

TIC: 0201002.D

Time--> 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00

1BTEXVRX.M Tue Nov 08 14:15:32 2011

Fluorobenzene-11
Dibromofluoromethane-S1
1,2-Dichloroethane-d4-S1
Benzene M1

Toluene-d8 S1

Toluene MC1

MP Xylyne M2

Ethylbenzene-MC2

Chlorobenzene-d5-S2

O-Xylene M2

4-Bromoanisolebenzene-S2

1,3,5-Triisopropylbenzene M2

1,2,4-Triisopropylbenzene M2

Naphthalene M3

1,4-Dimethoxybenzene-d4-S13

APPENDIX IV
PHOTOGRAPHS

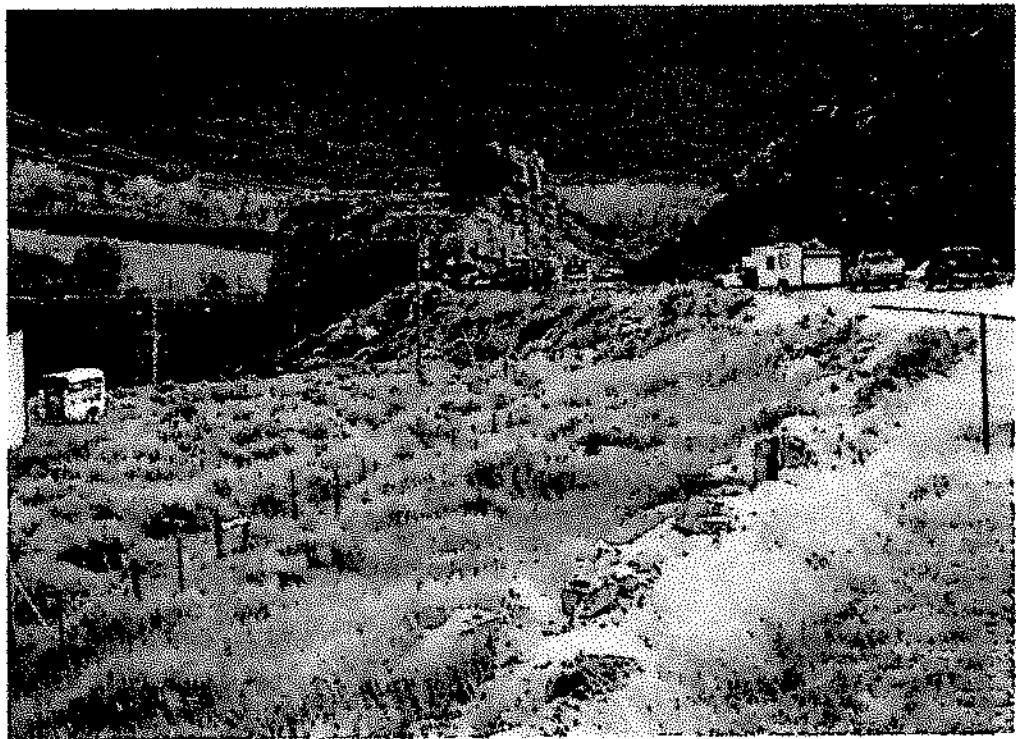


Figure 1. Truck being towed uphill from accident site.

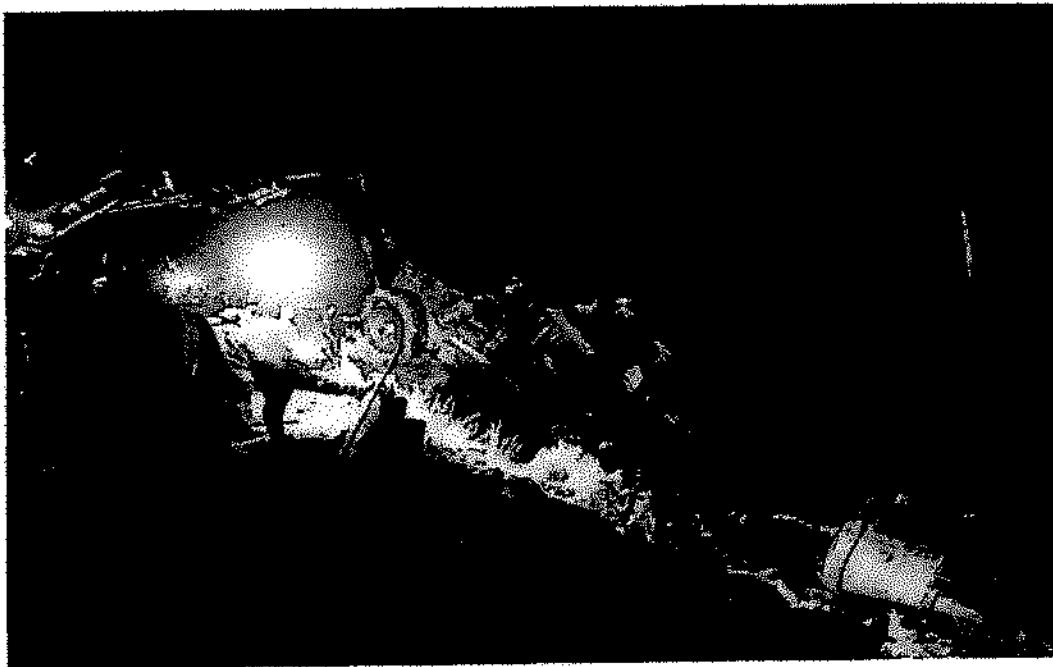


Figure 2. First look at scene



Figure 3. Ruptured tank draining towards creek and wetlands

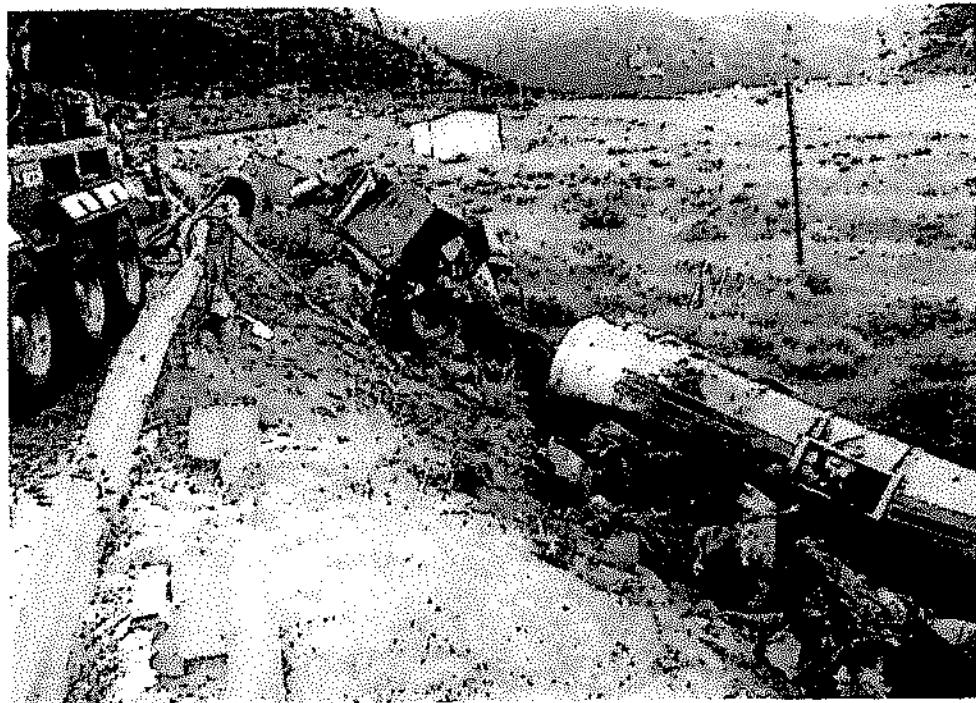


Figure 4. Truck lying on side of bank through guard rail.



Figure 5 Underflow dam downstream from source.



Figure 6 Oil collecting in wetlands



Figure 7 Wetlands area prior to excavation



Figure 8 Stained boulders under temporary guard rail



Figure 9. Diversion skirt/boom at irrigation outlet showing collection of oil



Figure 10. Oil collection in front of irrigation outlet



Figure 11 Cutting trench in wetlands for oil collection

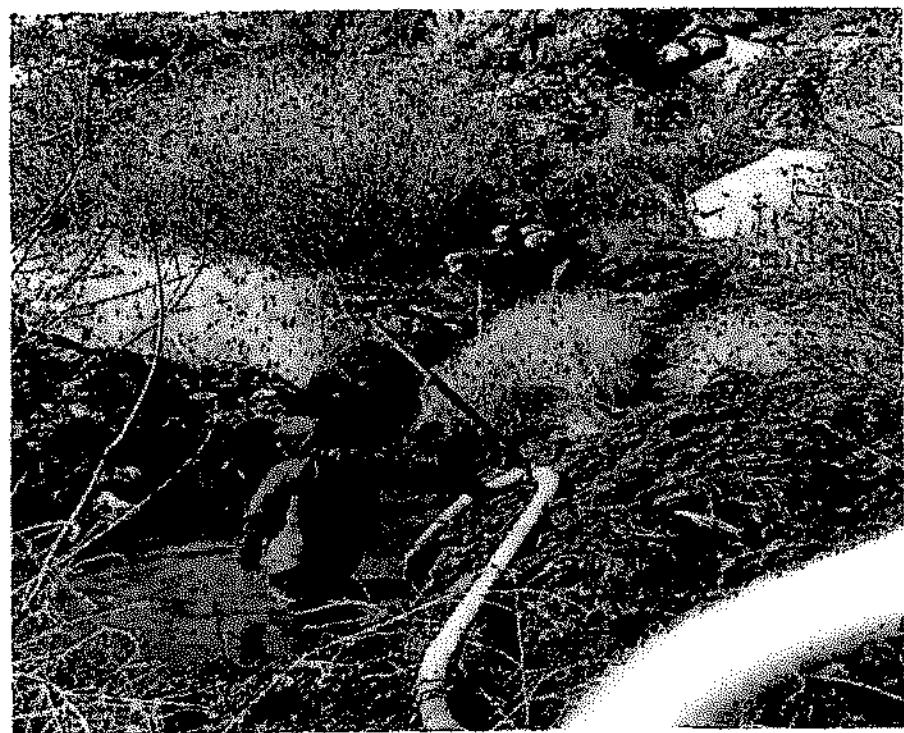


Figure 12 Sump pit used to remove oil/water from wetlands



Figure 13. Catch basin from seep of wetland.



Figure 14. Wetlands trenches and sump pit

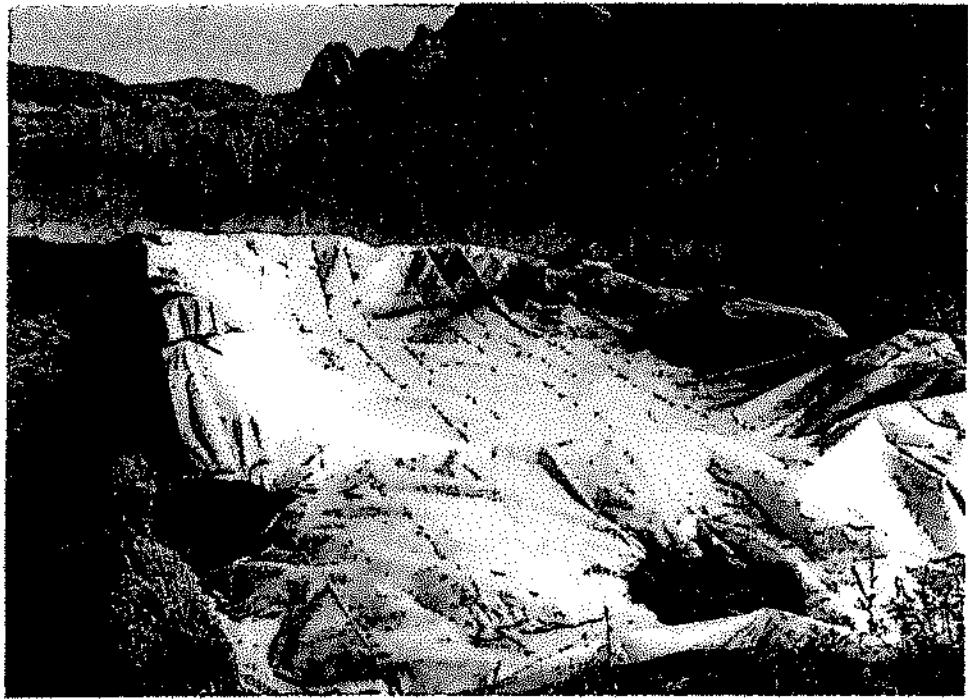


Figure 15 Lined trash containment area



Figure 16 Catch basin being pumped into frac tank

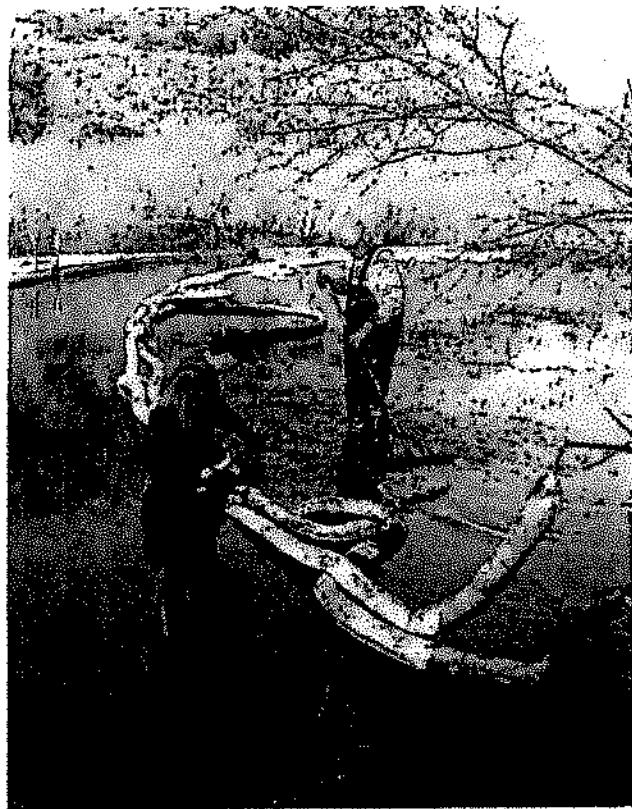


Figure 17. Vacuum skimming on beaver pond into tanker

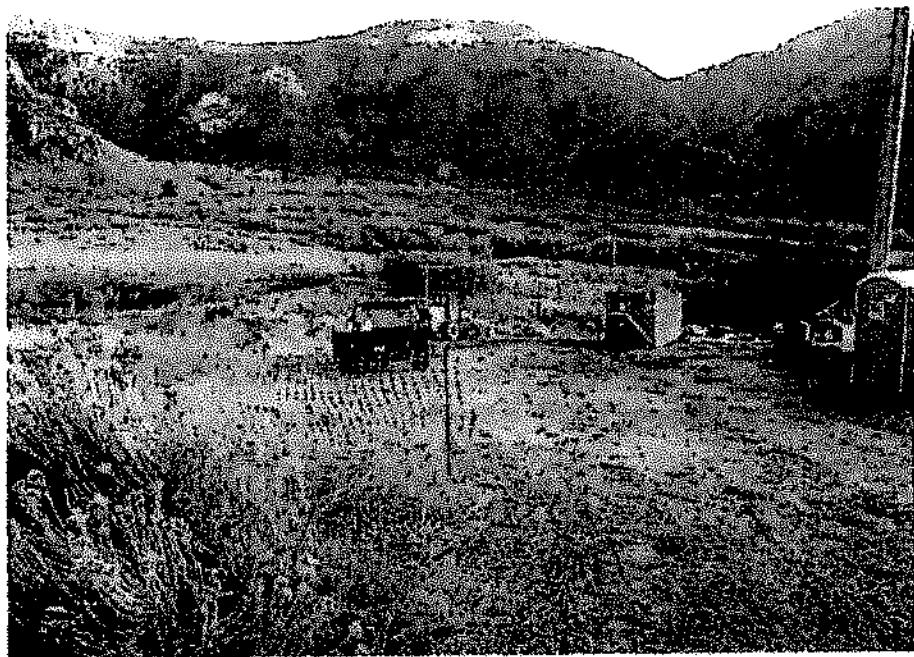


Figure 18. Frac tank and temporary fencing at work site



Figure 19. Contaminated soil removal from wetlands

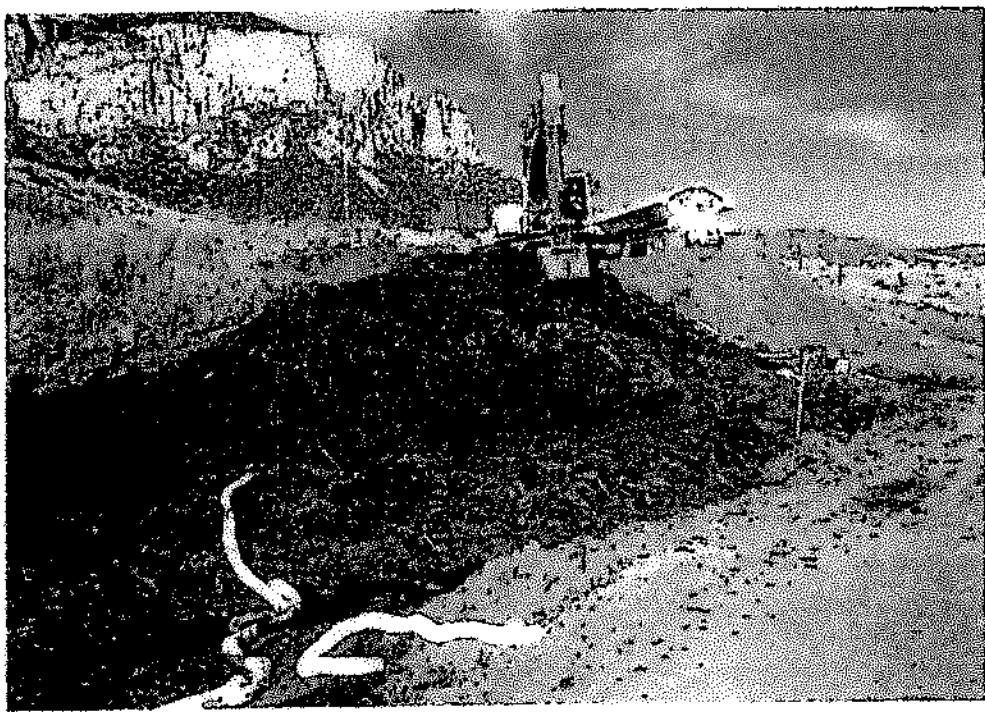


Figure 20. Contaminated soil removal

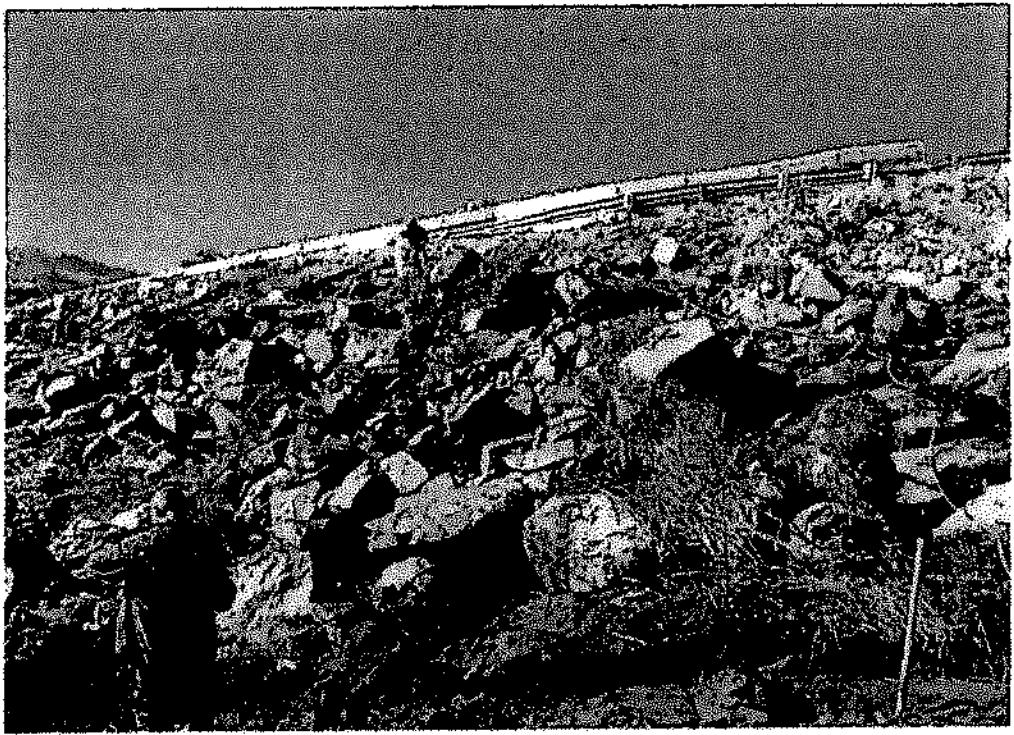


Figure 21 Applying MicroBlaze onto CDOT ROW



Figure 22 Clean soil applied to catch basin once oil was removed



Figure 23 Snow on November 8th slowed process down some



Figure 24 Clean fill material being spread over excavated area

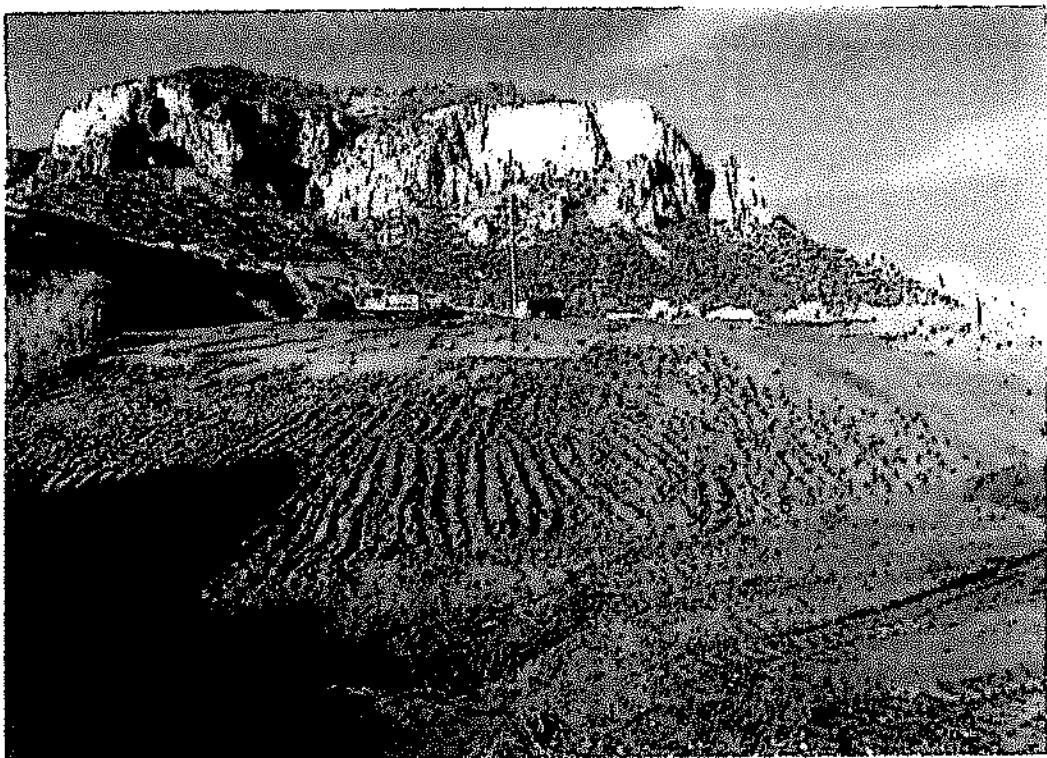


Figure 25 Contouring slope back to existing grade



Figure 26 10 inch river cobble over catch basin for stability and in spill way

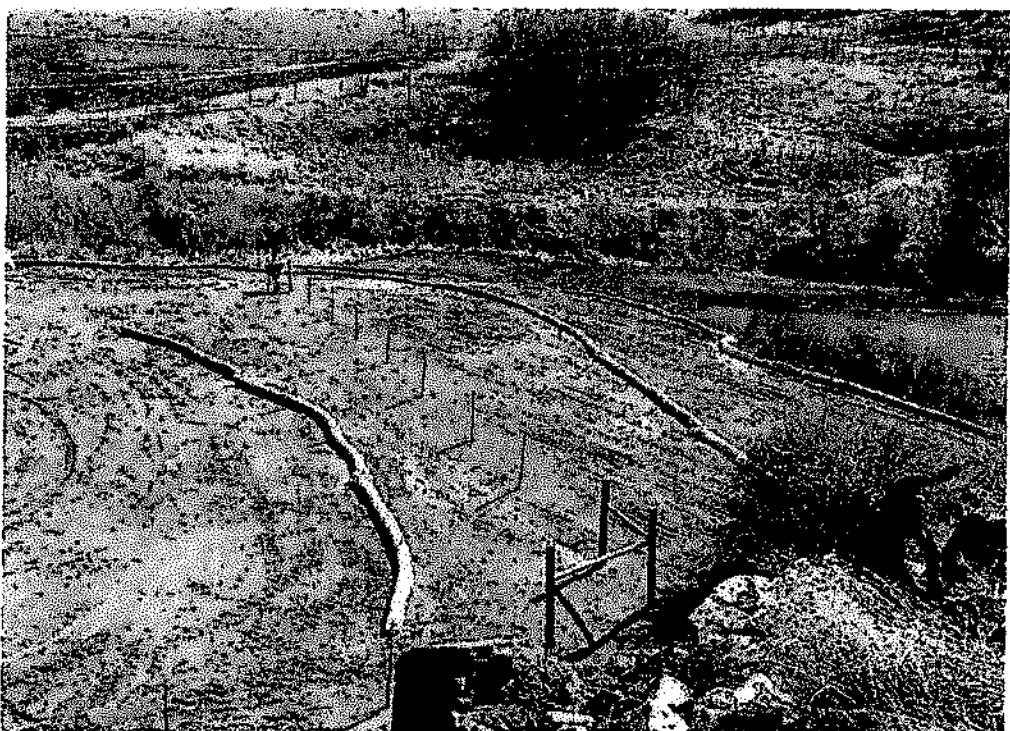


Figure 27 New fence, contoured slope, seeding application, and straw waddles to prevent erosion

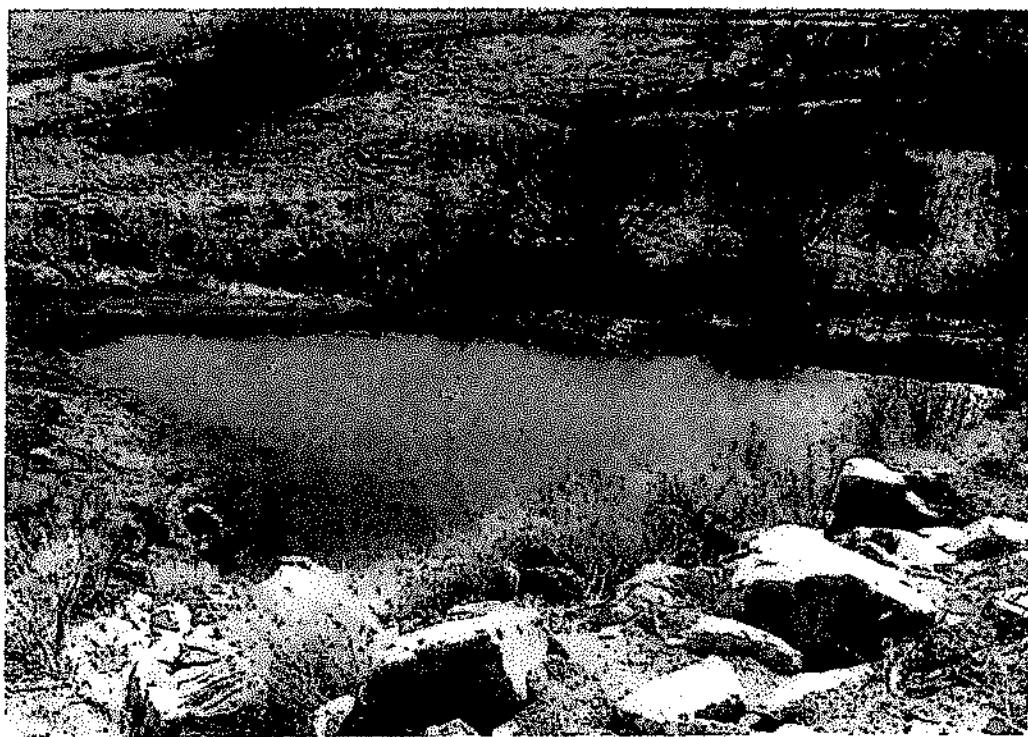


Figure 28 Finished wetlands restoration prior to winter

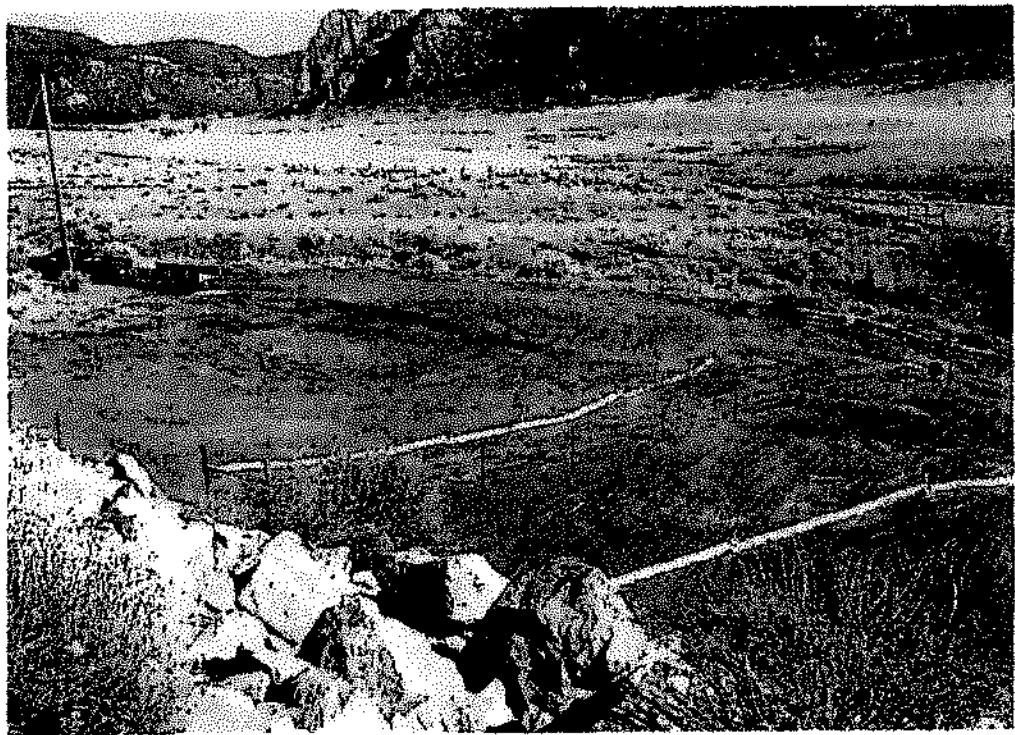


Figure 29 Contoured grade, fence, waddles and seed application

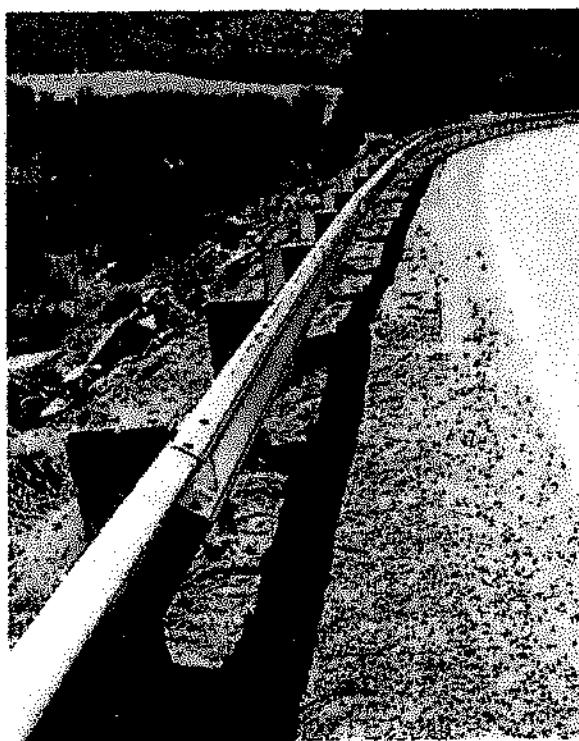


Figure 30 New guard rail installed